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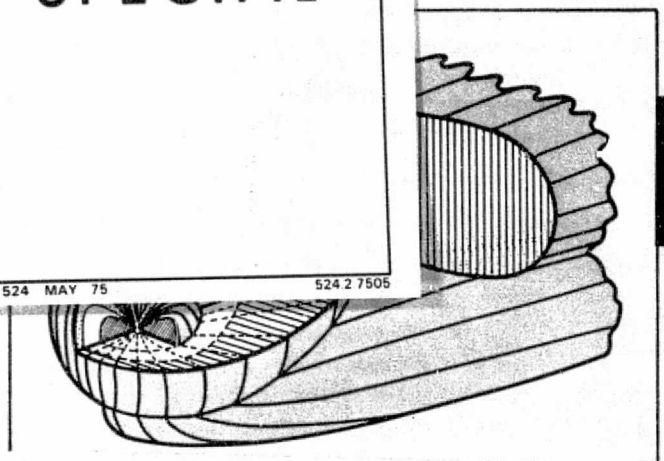

WDC-A/NSSDC

World Data Center A for Rockets and Satellites
National Space Science Data Center
Code 601
Goddard Space Flight Center
Greenbelt, Maryland, U.S.A. 20771

(NASA-TM-X-72589) IMS/SATELLITE SITUATION CENTER REPORT. PREDICTED ORBIT PLOTS FOR VELA 5B, 1976 (NASA) 100 p HC $5.00 CSCL 22C

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IMS/Satellite Situation Center Report

Predicted Orbit Plots for Vela 5B - 1976

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REPORT NO. 5

DECEMBER 1975

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NMS/Satellite Situation Center Report

Predicted Orbit Plots for Vela 5B - 1976

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December 1975

National Space Science Data Center/
World Data Center A for Rockets and Satellites
National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771

CONTENTS

I. INTRODUCTION

This report contains predicted orbit plots for the Vela 5B satellite for the time period January-December 1976. This satellite has been identified as an important possible contributor to the International Magnetospheric Study (IMS) project. The predicted orbit plots are shown in three projections. The time period covered by each set of projections is 4 days 16 hours, corresponding approximately to the period of Vela 5B. The three coordinate systems used are the Geocentric Solar Ecliptic system (GSE), the Geocentric Solar Magnetospheric system (GSM), and the Solar Magnetic system (SM).

For the GSE system, the X-axis is along the Earth-Sun line toward the Sun, and the Z-axis is perpendicular to the ecliptic plane such that the Y-axis is toward dusk. The GSE projection at the top left of the set of three plots shows the satellite trajectory rotated into the X-Y plane in order to illustrate the relative positions of the satellite and the bow shock and magnetopause boundaries. Fairfield's model (1971) for the average position of these boundaries has been used. This model corresponds to a solar wind velocity of 420 km/sec. For positive X values, a spherical rotation of the satellite radius vector has been performed at constant ecliptic longitude. For negative X values, a cylindrical rotation of the Y and Z components of the radius vector has been performed at constant X.

For the GSM system, the X-axis is along the Earth-Sun line toward the Sun, and the X-Z plane contains the geomagnetic dipole such that the Z-axis is positive northward and the Y-axis is toward dusk. The GSM projection at the top right of the set of three plots shows the satellite trajectory projected onto the Y-Z plane in order to show the relative position of the satellite and the neutral sheet. A simple model for the neutral sheet is assumed: the sheet is hinged onto the geomagnetic equator at 10 Earth radii in the antisolar direction and lies in the GSM X-Y plane. The neutral sheet positions are shown as horizontal lines corresponding to six equally spaced times of the first day covered by the plot. The extent of the horizontal lines in Y has no significance. The projected trajectories are shown as solid lines for $X < -10$ Earth radii and as dashed lines for $X > -10$ Earth radii. The dashed lines indicate that the satellite is not in the region of the neutral sheet regardless of Z values.

For the SM system, the Z-axis contains the north magnetic pole, and the Y-axis is perpendicular to the Earth-Sun line toward dusk. The satellite trajectory is shown at the bottom of the set of three plots as magnetic latitude and magnetic local time. These values of magnetic latitude and magnetic local time use SM latitude and longitude as a basis.

For each of the three projections, time ticks and codes are given on the satellite trajectories. The codes are interpreted in the table at the base of each plot. Time is given in the table as year/day/decimal hour.

The total time covered by each plot is shown at the bottom of each table. An additional variable is given in the table for each time tick. For the GSM and SM projections this variable is geocentric distance to the satellite in Earth radii, and for the GSE projection the variable is satellite ecliptic latitude in degrees.

Actual spacecraft elements for the epoch April 1975 were used for the orbit predictions shown in this report. The predicted elements for January 1, 1976, are shown in Table 1.

II. VELA 5B ORBIT CHARACTERISTICS FOR 1976

The low inclination of the Vela 5B satellite precludes encounters with the direct access (cusp) region during undisturbed times, and thus the magnetic latitude/magnetic local time projections shown in this report are of limited value. However, Vela 5B provides a number of useful bow shock, magnetopause, and neutral sheet encounters throughout 1976.

The characteristics of the bow shock and magnetopause encounters do not vary throughout the year. Twice per revolution the satellite encounters the bow shock at positive X_{GSE}, once in the noon/dusk quadrant, and once in the noon/dawn quadrant. In addition, twice per revolution the satellite encounters the magnetopause at negative X_{GSE}, once in the midnight/dusk quadrant, and once in the midnight/dawn quadrant. Vela 5B spends between 34 percent and 38 percent of each rotation in the interplanetary medium and between 10 percent and 20 percent in the dayside and nightside magnetosheath regions.

Because the solar wind experiment is only operating partially (see section III), perhaps the most useful characteristic of the Vela 5B orbit in 1976 is the neutral sheet encounters. These are summarized in Table 2. There are 49 encounters in 1976, grouped into three time periods: Days 3-63, Days 139-251, and Days 314-366. During each of these time periods the neutral sheet encounters occur on consecutive revolutions (with two exceptions, Day 54 and Day 242) and progress from the dawn to the dusk magnetotail. Note that the times shown in Table 2 are approximate encounter times.

Of interest during 1976 is the close proximity of Vela 5B to Vela 6A. The separation distance of these two spacecraft and the envelopes of maximum and minimum separation per revolution are shown in Figure 1. The minimum separation distance is 0.41 Earth radii and occurs on Day 288 7 hours, when both spacecraft are interplanetary. The variation of the separation distance over the revolution encompassing this minimum is shown in the inset diagram.

III. SPACECRAFT AND EXPERIMENT STATUS

Brief descriptions of the eight Vela 5B experiments are given in pages 5-11; a summary of the operable experiments is shown in Table 3. All operable experiments are functioning normally, except the solar wind experiment. The detector designed to measure solar wind protons, alpha particles, and electrons failed; however, the detector designed to measure magnetotail electrons and protons and solar wind heavy ions is operating normally. Although none of the Vela 5B experimenters appear in the IMS Directory, S. J. Bame's solar wind experiment and S. Singer's electron detectors are listed under E. W. Hones, Jr. (Program Summary No. 197), who has been extensively involved in the data analysis of these experiments.

The Vela 5B spacecraft provides only real-time telemetry reception (approximately 25 percent), mainly by request when the spacecraft is in the magnetotail. The reception is enhanced by 50 percent during the spacecraft eclipse periods (months 1, 2, 3, 7, 8, and 9). No changes to this coverage are planned through 1977.

IV. FUTURE OPERATIONS

The Satellite Situation Center (SSC) maintains orbit prediction plots on 16-mm microfilm for Vela 5B of the type shown in this document for the time period January 1977 through December 1979. These plots may be obtained upon request.

V. SPACECRAFT EXPERIMENT BRIEF DESCRIPTIONS

********** VELA 5B **********

SPACECRAFT COMMON NAME- VELA 5B
ALTERNATE NAMES- VELA 10 (TRW), 03955
VELA 5B (USAF)
NSSDC ID- 69-046E

LAST REPORTED STATE- LAUNCHED AND OPERATING PARTIALLY
AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 07/00/74.

LAUNCH DATE- 05/23/69 SPACECRAFT WEIGHT- 259. KG
LAUNCH SITE- VANDENBERG AFB, UNITED STATES
LAUNCH VEHICLE- TITAN 3C

SPONSORING COUNTRY/AGENCY
UNITED STATES DOD-USAF

INITIAL ORBIT PARAMETERS
ORBIT TYPE- GEOCENTRIC EPOCH DATE- 05/23/69
ORBIT PERIOD- 6720. MIN INCLINATION- 32.8 DEG
PERIAPSIS- 111000. KM ALT APOAPSIS- 112000. KM ALT

RECENT ORBIT PARAMETERS
ORBIT TYPE- GEOCENTRIC EPOCH DATE- 05/23/69
ORBIT PERIOD- 6720. MIN INCLINATION- 32.8 DEG
PERIAPSIS- 111000. KM ALT APOAPSIS- 112000. KM ALT

SPACECRAFT PERSONNEL (PM=PROJECT MANAGER, PS=PROJECT SCIENTIST)
PM - UNKNOWN .....USAF-SAMSO
SAN BERNADINO, CA
PS - J.H. COON .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

SPACECRAFT BRIEF DESCRIPTION
VELA 5B WAS ONE OF TWO SPIN-STABILIZED, ICOSAHEDRAL SATELLITES THAT COMPRISED THE SIXTH LAUNCH IN THE VELA PROGRAM. THE ORBITS OF THE TWO SATELLITES ON EACH LAUNCH WERE BASICALLY CIRCULAR AT ABOUT 17 EARTH RADII, INCLINED AT 60 DEG TO THE ECLIPTIC, AND SPACED 180 DEG APART, THUS PROVIDING A MONITORING CAPABILITY OF OPPOSITE SIDES OF THE EARTH. THE OBJECTIVES OF THE SATELLITES WERE -- (1) TO STUDY SOLAR AND COSMIC X RAYS, EUV, SOLAR PROTONS, SOLAR WIND, AND NEUTRONS, (2) TO CARRY OUT RESEARCH AND DEVELOPMENT ON METHODS OF DETECTING NUCLEAR EXPLOSIONS BY MEANS OF SATELLITE-BORNE INSTRUMENTATION, AND (3) TO PROVIDE SOLAR FLARE DATA IN SUPPORT OF MANNED SPACE MISSIONS. VELA 5B, AN IMPROVED VERSION OF THE EARLIER VELA SERIES SATELLITES, HAD BETTER COMMAND CAPABILITIES, INCREASED DATA STORAGE, IMPROVED POWER REQUIREMENTS, BETTER THERMAL CONTROL OF OPTICAL SENSORS, AND GREATER EXPERIMENTATION WEIGHT. POWER SUPPLIES OF 120 W WERE PROVIDED BY 22,500 SOLAR CELLS MOUNTED ON 24 OF THE

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SPACECRAFT'S 26 FACES. A ROTATION RATE OF 78 RPM DURING TRANSFER ORBITS AND 1 RPM AFTER FINAL ORBIT INSERTION MAINTAINED NOMINAL ATTITUDE CONTROL. EIGHT WHIP ANTENNAS AND FOUR STUB ANTENNA ARRAYS AT OPPOSITE ENDS OF THE SPACECRAFT STRUCTURE WERE USED FOR GROUND COMMANDS AND TELEMETRY. THE SPACECRAFT AND ITS COMPLEMENT OF EXPERIMENTS FUNCTIONED NORMALLY FOR THREE YEARS, EXCEPT THAT THE SOLAR WIND ELECTROSTATIC ANALYZER FAILED IN JUNE 1969 AND THE EUV DETECTOR WAS TURNED OFF IN APRIL 1972. IN JUNE 1972 ONE OF THE TWO ONBOARD DATA STORAGE UNITS FAILED. USE OF THE REMAINING GOOD UNIT WAS SUCH THAT NO USEFUL COSMIC GAMMA-RAY DATA WERE OBTAINED BETWEEN JUNE 1972 AND JANUARY 1974 WHILE STORAGE MODE DATA FOR THE OTHER EXPERIMENTS WERE AVAILABLE. FROM JANUARY TO JULY 1974 USEFUL COSMIC GAMMA RAY DATA WERE AGAIN OBTAINED, WHILE ALL OTHER EXPERIMENTS WERE TRACKED ONLY IN REAL TIME (ABOUT 30 PERCENT COVERAGE). AFTER JULY 1974 THE ONLY USEFUL DATA WERE REAL TIME.

------- VELA 5B, BAME ----------

EXPERIMENT NAME- SOLAR WIND EXPERIMENT

NSSDC ID- 69-046E-05

LAST REPORTED STATE- LAUNCHED AND OPERATING PARTIALLY
AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 01/00/74.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - S.J. BAME .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - J.R. ASBRIDGE .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - H.E. FELTHAUSER .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

EXPERIMENT BRIEF DESCRIPTION

TWO ELECTROSTATIC ANALYZER-ELECTRON MULTIPLIER UNITS WERE USED TO STUDY THE INTERPLANETARY SOLAR WIND (INCLUDING HEAVY IONS) AND PROTONS AND ELECTRONS IN THE MAGNETOTAIL. ENERGY ANALYSIS WAS ACCOMPLISHED BY CHARGING THE PLATES TO KNOWN VOLTAGE LEVELS AND ALLOWING THEM TO DISCHARGE WITH KNOWN RESISTANCE CAPACITOR (RC) TIME CONSTANTS. PARTICLES IN A 6-DEG BY 100-DEG FAN-SHAPED ANGULAR RANGE WERE ACCEPTED FOR ANALYSIS DURING A DECAYING VOLTAGE CYCLE. THE 100-DEG DIMENSION WAS PARALLEL TO THE SPACECRAFT SPIN AXIS FOR BOTH DETECTORS. ONE DETECTOR UNIT WAS USED TO STUDY MAGNETOTAIL PROTONS OR ELECTRONS BETWEEN 20 EV AND 33 KEV AND SOLAR WIND HEAVY IONS IN THE ENERGY PER CHARGE RANGE BETWEEN 1 KV AND 8.3 KV. THIS UNIT IS OPERATING NORMALLY AT PRESENT , BUT HAS ABOUT

1/4 TO 1/3 DATA RECOVERY DUE TO REALLOCATION OF THE S/C TAPE RECORDER USAGE. THE OTHER DETECTOR UNIT, WHICH FAILED, WAS DESIGNED TO STUDY SOLAR WIND ELECTRONS IN THE ENERGY RANGE FROM 7.5 EV TO 18.5 KEV AND SOLAR WIND POSITIVE IONS (MAINLY PROTONS AND ALPHA PARTICLES) IN AN ENERGY PER CHARGE RANGE FROM 120 V TO 5 KV.

------- VELA 5B, BAME ----------

EXPERIMENT NAME- NEUTRON DETECTOR

NSSDC ID- 69-046E-07

LAST REPORTED STATE- LAUNCHED AND OPERATING NORMALLY
AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 01/00/74.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - S.J. BAME .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - J.R. ASBRIDGE .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

EXPERIMENT BRIEF DESCRIPTION

THE NEUTRON DETECTOR CONSISTED OF A LARGE (ABOUT 8 LB) POLYETHYLENE MODERATOR SURROUNDING TWO HELIUM-3 FILLED PROPORTIONAL COUNTERS. NEUTRONS BETWEEN 1 AND 100 MEV WERE THERMALIZED BY THE MODERATOR AND DETECTED BY THE COUNTERS. THE INSTRUMENT WAS ALSO SENSITIVE TO PROTONS ABOVE 25 MEV.

------- VELA 5B, CHAMBERS ----------

EXPERIMENT NAME- TWO EXTREME ULTRAVIOLET DETECTORS 30 TO 150A, 120 TO 900A

NSSDC ID- 69-046E-01

LAST REPORTED STATE- INOPERABLE SINCE 04/00/72.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - W.H. CHAMBERS .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - J.C. FULLER .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - W.E. KUNZ .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

EXPERIMENT BRIEF DESCRIPTION

TWO EXTREME ULTRAVIOLET DETECTORS WERE MOUNTED IN THE APEX POSITIONS OF THE SPACECRAFT TO MEASURE SOLAR EUV RADIATION. BOTH DETECTORS USED RETARDING POTENTIAL ANALYSIS OF PHOTO ELECTRONS TO OBTAIN APPROXIMATE SPECTRAL DATA OF THE

SOLAR FLUX. THE XUO (X-RAY ULTRAVIOLET OPEN) DETECTOR WAS AN OPEN WINDOW DEVICE DESIGNED TO COVER THE WAVELENGTH FROM 120 TO 900 A USING TEN RETARDING POTENTIAL STEPS FROM 7 TO 250 VOLTS. THE XUW (X-RAY ULTRAVIOLET WINDOW) DETECTOR COVERED THE RANGE 30 TO 150 A IN TEN ANALYZER STEPS FROM 75 TO 1000 VOLTS. BOTH DETECTORS WERE EQUIPPED WITH REPELLER GRIDS FOR CHARGED PARTICLE SUPPRESSION. THE ACCEPTANCE APERTURE WAS 20 DEG IN ONE DIMENSION, ALLOWING APPROXIMATELY A 3-SEC SCAN OF THE SUN, AND +50 DEG TO -50 DEG IN THE OTHER DIMENSION. THE XUO DETECTOR WAS READ OUT IN REAL TIME ONLY. THE XUW WAS READ OUT IN REAL TIME, AND IT STORED ABOUT ONE FOURTH THE AMOUNT OF REAL-TIME DATA. THE DETECTORS WORKED NORMALLY UNTIL AUGUST 1971 WHEN THEY BECAME ONLY PARTIALLY OPERABLE.

------- VELA 5B, CHAMBERS ----------

EXPERIMENT NAME- SOLAR X-RAY DETECTORS, 0.5 TO 3.0 A,
1 TO 8 A, 1 TO 16 A, 44 TO 60 A

NSSDC ID- 69-046E-02

LAST REPORTED STATE- INOPERABLE SINCE 01/00/74.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - W.H. CHAMBERS .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - J.C. FULLER .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - W.E. KUNZ .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

EXPERIMENT BRIEF DESCRIPTION

THIS EXPERIMENT WAS DESIGNED TO MONITOR THE SOLAR AMBIENT AND FLARE-PRODUCED FLUX OF X RAYS IN THE 0.3 TO 60 A WAVELENGTH REGION. TWO IDENTICAL X-RAY SENSOR UNITS WERE MOUNTED AT DIAMETRICALLY OPPOSED APEX POSITIONS ON THE SATELLITE. EACH UNIT CONTAINED FOUR DETECTORS -- THREE ION CHAMBERS AND A SCINTILLATION (NAI(T1)) DETECTOR. AS EACH ION CHAMBER HAD A HEMISPHERICAL WINDOW. THE COMBINED OUTPUT SIGNALS FROM IDENTICAL CHAMBERS IN EACH SENSOR UNIT APPROXIMATED THE RESPONSE OF AN IDEAL DETECTOR WITH A 4-PI STERADIAN FIELD OF VIEW. THE ION CHAMBERS HAD THE FOLLOWING WINDOW MATERIALS, GAS FILLS, AND WAVELENGTH RESPONSES. CHAMBER 1 - 5.E-3 INCH OF BERYLLIUM, 0.9 ATM OF ARGON + 0.1 ATM OF HELIUM, 1 TO 8 A. CHAMBER 2 - 2.5E-4 INCH OF MYLAR OVERCOATED WITH ABOUT AN 8500 A LAYER OF ALUMINUM, 0.5 ATM OF NITROGEN, 1 TO 16 A. CHAMBER 3 - 2.5E-4 INCH OF MYLAR, 0.5 ATM OF NITROGEN, 1 TO 16 A AND 44 TO 60 A. THIS COMBINATION OF ION CHAMBERS ALLOWED SOLAR X-RAY FLUX MEASUREMENTS IN THE BANDS 1 TO 8 A, 1 TO 16 A, 8 TO 16 A, AND 44 TO 60 A TO BE

OBTAINED UPON SUITABLE ANALYSIS OF THE DATA. THE SCINTILLATION DETECTOR USED FOR THE 0.3 TO 3 A WAVELENGTH REGION CONSISTED OF A THALLIUM-ACTIVATED NAI CRYSTAL OPTICALLY COUPLED TO A PMT, THE OUTPUT OF WHICH FED A FIVE-LEVEL, INTEGRAL, PULSE-HEIGHT ANALYZER. UNLIKE THE ION CHAMBERS, THE TWO SCINTILLATION DETECTORS IN THE TWO SENSOR UNITS WERE NOT IDENTICAL. THE MORE SENSITIVE DETECTOR HAD A ONE-HALF-INCH-DIAMETER, 1-MM-THICK CRYSTAL COVERED BY A FLAT 10-MIL-THICK BERYLLIUM WINDOW. THE LESS SENSITIVE DETECTOR (1.E-2 ERG/SQ CM-SEC) HAD A ONE-QUARTER-INCH-DIAMETER, 1-MM-THICK CRYSTAL AND A 0.08 INCH-THICK BERYLLIUM DOME WINDOW IN ADDITION TO THE FLAT 10-MIL WINDOW MOUNTED ON THE FACE OF THE CRYSTAL. BOTH ION CHAMBERS AND SCINTILLATION DETECTORS WERE CAPABLE OF OBSERVATIONS WITH TIME RESOLUTIONS OF 2 SECONDS. THE AVERAGE DETECTIVE EFFICIENCIES FOR THE ION AND SCILTILLATION DETECTORS WERE OF THE ORDER OF 20 AND 60 PERCENT, RESPECTIVELY.

------- VELA 5B, CONNER ----------

EXPERIMENT NAME- COSMIC X RAYS

NSSDC ID- 69-046E-06

LAST REPORTED STATE- LAUNCHED AND OPERATING NORMALLY
AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 01/00/74.
EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - J.P. CONNER .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM
OI - W.D. EVANS .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM
OI - R.D. BELIAN .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

EXPERIMENT BRIEF DESCRIPTION

THE COSMIC X-RAY DETECTOR WAS A LARGE-AREA (26 CM SQUARED) SODIUM IODIDE SCINTILLATOR WITH A 5-MIL BERYLLIUM WINDOW. THE EXPERIMENT WAS DESIGNED TO PROVIDE MEASUREMENTS OF THE LOCATION, INTENSITY, AND INTENSITY VARIATIONS OF NONSOLAR X-RAY SOURCES OVER A LONG PERIOD OF TIME. THE DETECTOR WAS SENSITIVE TO X-RAY PHOTONS IN TWO ENERGY INTERVALS - (3 TO 6 KEV AND 3 TO 12 KEV), AND WAS SUFFICIENTLY SENSITIVE TO MONITOR FROM SIX TO TWELVE GALACTIC X-RAY SOURCES. ANY ONE SOURCE WAS VIEWED FOR APPROXIMATELY 1 HR, AND EVERY 2 DAYS EACH SOURCE WAS BACK IN VIEW. THREE MODES OF READOUT WERE AVAILABLE - (1) THE REAL TIME NORMAL MODE, IN WHICH COUNTS FROM EACH ENERGY CHANNEL WERE TRANSMITTED EVERY SEC, (2) THE HIGH RESOLUTION MODE, IN WHICH ONLY THE 3- TO 12-KEV CHANNEL WAS TRANSMITTED EIGHT TIMES PER SEC, AND (3) THE STORE MODE, IN WHICH ONLY THE 3- TO 12-KEV CHANNEL WAS STORED.

------- VELA 5B, KLEBESADEL ----------

EXPERIMENT NAME- GAMMA RAY ASTRONOMY

NSSDC ID- 69-046E-08

LAST REPORTED STATE- INOPERABLE SINCE 07/00/74

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - R.W. KLEBESADEL .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - I R. STRONG .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - R.A. OLSON .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

EXPERIMENT BRIEF DESCRIPTION

THIS EXPERIMENT CONSISTED OF SIX 10-CM-CUBED CESIUM IODIDE SCINTILLATION COUNTERS DISTRIBUTED TO ACHIEVE NEARLY ISOTROPIC SENSITIVITY. INDIVIDUAL DETECTORS RESPONDED TO ENERGY DEPOSITIONS OF 0.2 TO 1.0 MEV WITH A DETECTION EFFICIENCY RANGING FROM 17 TO 50 PERCENT. THE SCINTILLATORS WERE SHIELDED AGAINST DIRECT PENETRATION BY ELECTRONS BELOW 0.75 MEV AND PROTONS BELOW 20 MEV. NO ACTIVE ANTICOINCIDENCE SHIELDING WAS PROVIDED. NORMALIZED OUTPUT PULSES FROM THE SIX DETECTORS WERE SUMMED INTO COUNTING AND LOGICS CIRCUITRY. LOGICAL SENSING OF RAPID, STATISTICALLY SIGNIFICANT COUNT RATE INCREASES INITIATED THE RECORDING OF DISCRETE COUNTS IN A SERIES OF LOGARITHMICALLY INCREASING TIME INTERVALS. THIS CAPABILITY PROVIDED CONTINUOUS TEMPORAL COVERAGE WHICH, COUPLED WITH THE ISOTROPIC RESPONSE, IS UNIQUE IN ASTRONOMY. A TIME MEASUREMENT WAS ALSO ASSOCIATED WITH EACH RECORD. THE DATA ACCUMULATIONS INCLUDED A BACKGROUND COMPONENT, DUE TO COSMIC PARTICLES AND THEIR SECONDARY EFFECTS. THE OBSERVED BACKGROUND RATE, WHICH WAS A FUNCTION OF THRESHOLD ENERGY, WAS ABOUT 150 COUNTS/SEC.

------- VELA 5B, SINGER ----------

EXPERIMENT NAME- SOLAR PARTICLE TELESCOPES

NSSDC ID- 69-046E-03

LAST REPORTED STATE- LAUNCHED AND OPERATING NORMALLY
AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 01/00/74.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - S. SINGER .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - M.D. MONTGOMERY .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

EXPERIMENT BRIEF DESCRIPTION

THE SOLAR TELESCOPE EXPERIMENT WAS DESIGNED TO MEASURE THE ENERGY SPECTRUM AND ANGULAR DISTRIBUTION OF SOLAR PROTONS BETWEEN 0.3 AND 50 MEV AND OF SOLAR ALPHA PARTICLES BETWEEN 2 AND 100 MEV. IN ADDITION, THE EXPERIMENT WAS DESIGNED TO IDENTIFY AND MONITOR THE FLUX OF DEUTERIUM, TRITIUM, AND HELIUM-3 NUCLEI WHICH MAY BE EMITTED DURING A SOLAR PARTICLE FLARE AND TO MONITOR THE INTENSITY OF MORE HEAVILY IONIZED PARTICLES. THERE WERE THREE TELESCOPES IN A SINGLE PLANE, ORIENTED AT ANGLES OF 45 DEG, 90 DEG, AND 135 DEG RELATIVE TO THE SPACECRAFT SPIN AXIS. EACH INSTRUMENT CONSISTED OF A COLLIMATING TUBE (PROVIDING AN ANGULAR VIEW OF 30 DEG) IN FRONT OF A SOLID-STATE DE/DX VS E PARTICLE DETECTOR.

-------- VELA 5B, SINGER ----------

EXPERIMENT NAME- ELECTRON DETECTORS

NSSDC ID- 69-046E-04

LAST REPORTED STATE- LAUNCHED AND OPERATING NORMALLY
AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 01/00/74.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - S. SINGER .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

OI - M.D. MONTGOMERY .....LOS ALAMOS SCI LAB
LOS ALAMOS, NM

EXPERIMENT BRIEF DESCRIPTION

TWO SETS OF THREE SOLID-STATE ELECTRON DETECTORS IN A TELESCOPIC ARRANGEMENT WITH AN ANGULAR VIEW OF 30 DEG WERE USED TO OBSERVE ELECTRONS OVER THE RANGE 30 TO 150 KEV. PROTONS OF ENERGY LESS THAN 300 KEV AND GREATER THAN 50 MEV COULD ALSO BE DETECTED. ONE SET OF DETECTORS VIEWED THE PARTICLES DIRECTLY. THE OTHER UTILIZED A SCATTER GEOMETRY TO IMPROVE ABILITY TO OBSERVE ELECTRONS IN THE PRESENCE OF MUCH LARGER FLUXES OF PROTONS. EACH OF THE THREE DIRECT VIEW DETECTORS AND EACH OF THE THREE SCATTER GEOMETRY DETECTORS LAY IN A SINGLE PLANE AND MADE ANGLES OF 45 DEG, 90 DEG, AND 135 DEG WITH THE SPACECRAFT SPIN AXIS.

REFERENCE

Fairfield, D. H., "Average and Unusual Locations of the Earth's Magnetopause and Bow Shock," J. Geophys. Res., 76, 28, 6700, October 1971.

Table 1. ORBIT PARAMETER SUMMARY TABLE FOR VELA 5B

Alternate Satellite Names	Vela 10 (TRW) 03955 Vela 5B (USAF)
International ID	69-046E
Epoch (YY-MM-DD-HH-MM)	76-01-01-00-00
Period (min)	6704.1
Eccentricity	.032
Inclination (deg)	43.03
R.A. of Ascending Node (deg)	107.83
Argument of Perigee (deg)	72.88
Mean Anomaly (deg)	148.11
Semimajor Axis (km)	117790.
Perigee Height (km)	107680.
Apogee Height (km)	115140.

Table 2. VELA 5B NEUTRAL SHEET ENCOUNTERS FOR 1976

Time (day/hr)	Y_{GSM} (Earth radii)	Geocentric Distance (Earth radii)	Time (day/hr)	Y_{GSM} (Earth radii)	Geocentric Distance (Earth radii)
3/1	-5	18.1	191/10	-2	18.8
7/16	-3	18.1	196/2	-2	18.8
12/9	-2	18.1	200/16	+1	18.7
17/0	-1	18.1	205/12	+2.5	18.8
21/15	0	18.1	209/23	+3.5	18.8
26/6	+2	18.2	214/13	+8	18.8
30/20	+6	18.2	219/6	+8	18.7
35/13	+6	18.2	223/21	+9	18.7
40/0	+7	18.3	228/10	+13	18.6
44/21	+10	18.2	233/3	+12.5	18.7
49/12	+10	18.1	237/21	+12	18.8
58/20	+13.5	18.2	247/4	+15	18.7
63/13	+12.5	18.1	251/21	+15	18.8
139/23	-14	18.6	314/11	-14	18.3
144/16	-13	18.6	319/5	-13	18.3
149/16	-13	18.8	324/1	-13	18.2
153/23	-12	18.6	328/13	-12	18.3
158/17	-11	18.7	333/5	-11	18.3
163/8	-10	18.6	338/1	-11	18.2
168/0	-8	18.7	342/13	-9	18.2
172/17	-7.5	18.7	347/6	-8.5	18.2
177/12	-7	18.6	352/1	-7	18.1
182/1	-5	18.8	356/15	-7	18.0
186/17	-3	18.8	361/6	-4	18.1
			366/0	-2.5	18.0

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Table 3. VELA 5B OPERABLE EXPERIMENT STATUS SUMMARY

Experiment	Principal Investigator	Status
Solar Wind Experiment	S. J. Bame	Par
Neutron Detector	S. J. Bame	Op
Cosmic X rays	J. P. Conner	Op
Solar Particle Telescopes	S. Singer	Op
Electron Detectors	S. Singer	Op

Op: Normal Detector Operation
Par: Partial Detector Operation

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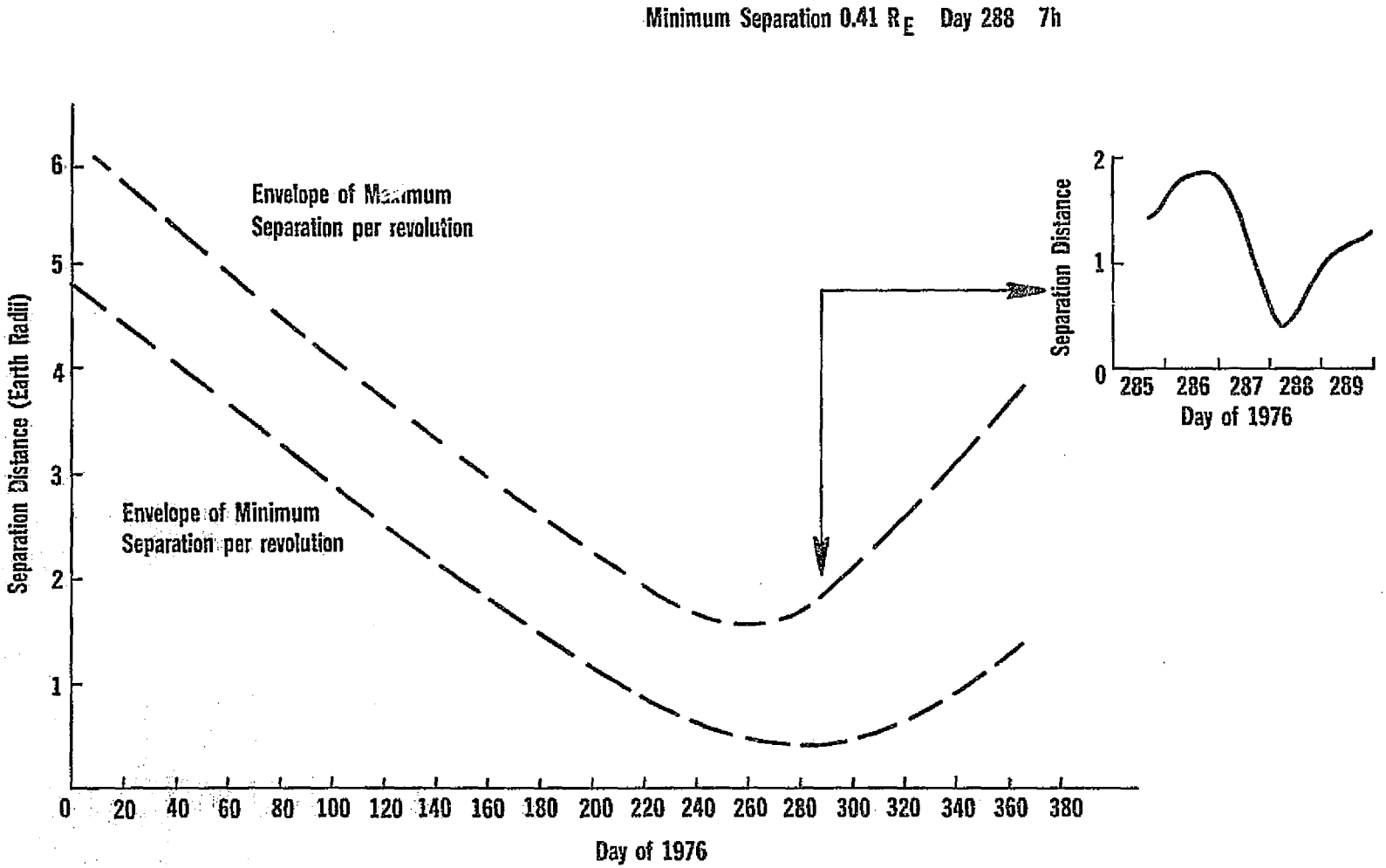
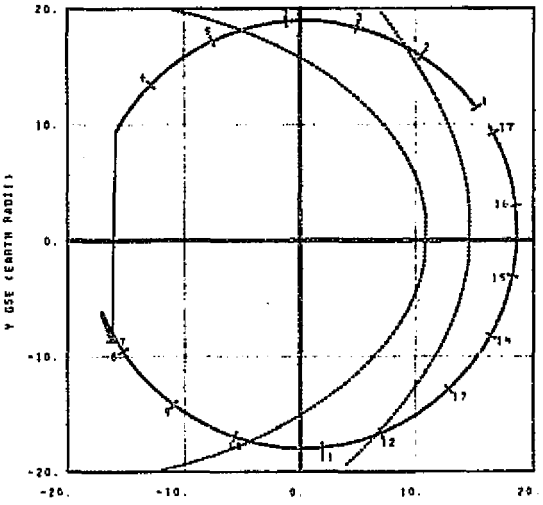
Figure 1. Vela 5B and Vela 6A Separation Distance for 1976



VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/	1/	0.00H	LAT=	-14.2	11 - 1976/	4/	3.00H	LAT=	52.9
2 - 1976/	1/	9.00H	LAT=	-39.9	12 - 1976/	4/	6.00H	LAT=	59.2
3 - 1976/	1/	15.00H	LAT=	-46.2	13 - 1976/	4/	10.00H	LAT=	52.2
4 - 1976/	1/	20.00H	LAT=	-52.5	14 - 1976/	4/	14.00H	LAT=	46.4
5 - 1976/	2/	3.00H	LAT=	-53.0	15 - 1976/	4/	19.00H	LAT=	36.6
6 - 1976/	2/	10.00H	LAT=	-43.5	16 - 1976/	5/	3.00H	LAT=	17.6
7 - 1976/	2/	17.00H	LAT=	-28.2	17 - 1976/	5/	14.00H	LAT=	-9.9
8 - 1976/	3/	7.00H	LAT=	9.0					
9 - 1976/	3/	14.00H	LAT=	27.8					
10 - 1976/	3/	20.00H	LAT=	42.0					

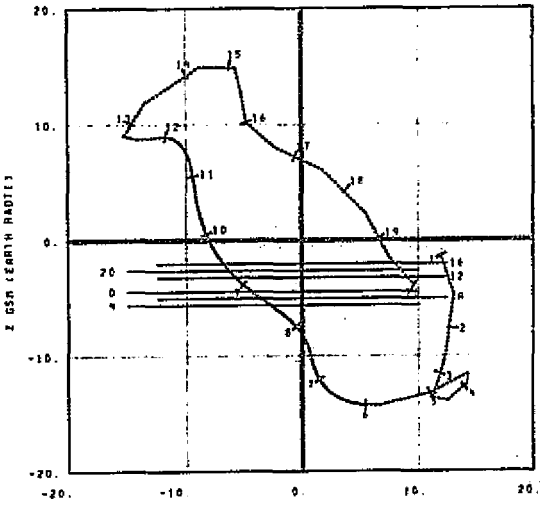
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 1/ 0.00H TO 1976/ 5/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

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2 - 1976/	1/	5.00H	R=	19.0RE	12 - 1976/	3/	15.00H	R=	17.9RE
3 - 1976/	1/	8.00H	R=	19.1RE	13 - 1976/	4/	1.00H	R=	18.0RE
4 - 1976/	1/	18.00H	R=	19.0RE	14 - 1976/	4/	6.00H	R=	18.1RE
5 - 1976/	2/	3.00H	R=	18.8RE	15 - 1976/	4/	10.00H	R=	18.2RE
6 - 1976/	2/	7.00H	R=	18.7RE	16 - 1976/	4/	19.00H	R=	18.5RE
7 - 1976/	2/	12.00H	R=	18.5RE	17 - 1976/	5/	1.00H	R=	18.6RE
8 - 1976/	2/	19.00H	R=	18.3RE	18 - 1976/	5/	5.00H	R=	18.7RE
9 - 1976/	3/	1.00H	R=	18.1RE	19 - 1976/	5/	9.00H	R=	18.8RE
10 - 1976/	3/	5.00H	R=	18.0RE	20 - 1976/	5/	15.00H	R=	19.0RE

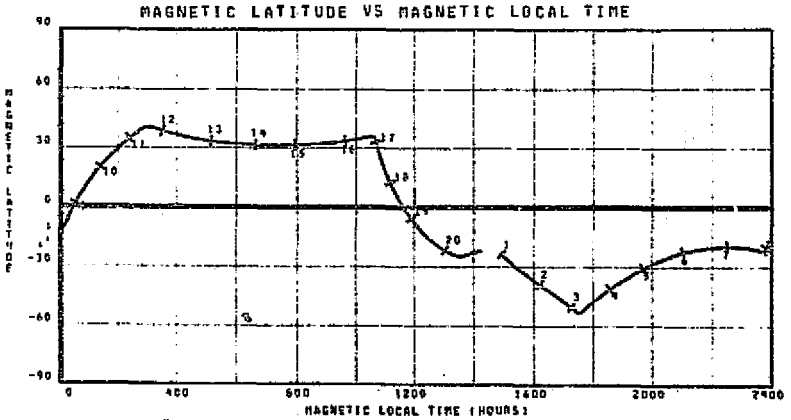
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 1/ 0.00H TO 1976/ 5/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/	1/	0.00H	R=	19.0RE	11 - 1976/	2/	15.00H	R=	18.4RE	15 - 1976/	4/	3.00H	R=	18.1RE
2 - 1976/	1/	4.00H	R=	19.0RE	12 - 1976/	2/	22.00H	R=	18.2RE	16 - 1976/	4/	7.00H	R=	18.1RE
3 - 1976/	1/	8.00H	R=	19.1RE	13 - 1976/	3/	2.00H	R=	18.1RE	17 - 1976/	4/	10.00H	R=	18.2RE
4 - 1976/	1/	15.00H	R=	19.0RE	14 - 1976/	3/	6.00H	R=	18.1RE	18 - 1976/	4/	21.00H	R=	18.3RE
5 - 1976/	1/	22.00H	R=	18.9RE	15 - 1976/	3/	14.00H	R=	17.9RE	19 - 1976/	5/	1.00H	R=	18.4RE
6 - 1976/	2/	2.00H	R=	18.8RE	16 - 1976/	3/	20.00H	R=	17.9RE	20 - 1976/	5/	6.00H	R=	18.6RE
7 - 1976/	2/	8.00H	R=	18.7RE	17 - 1976/	4/	0.00H	R=	17.9RE					

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 1/ 0.00H TO 1976/ 5/16.00H

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VELA 5B

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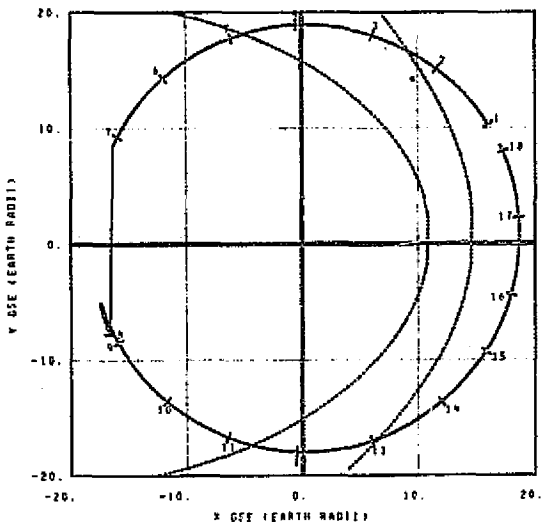

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2 - 1976/	6/ 1.00 H	LAT= -35.9	12 - 1976/	8/ 18.00 H	LAT= 52.1
3 - 1976/	6/ 7.00 H	LAT= -46.5	13 - 1976/	8/ 22.00 H	LAT= 54.1
4 - 1976/	6/ 12.00 H	LAT= -52.7	14 - 1976/	9/ 2.00 H	LAT= 51.0
5 - 1976/	6/ 18.00 H	LAT= -53.5	15 - 1976/	9/ 6.00 H	LAT= 46.1
6 - 1976/	7/ 1.00 H	LAT= -49.9	16 - 1976/	9/ 11.00 H	LAT= 36.0
7 - 1976/	7/ 8.00 H	LAT= -38.6	17 - 1976/	9/ 20.00 H	LAT= 14.4
8 - 1976/	7/ 10.00 H	LAT= -25.1	18 - 1976/	10/ 6.00 H	LAT= -10.5
9 - 1976/	7/ 23.00 H	LAT= -9.6			
10 - 1976/	8/ 4.00 H	LAT= 28.3			

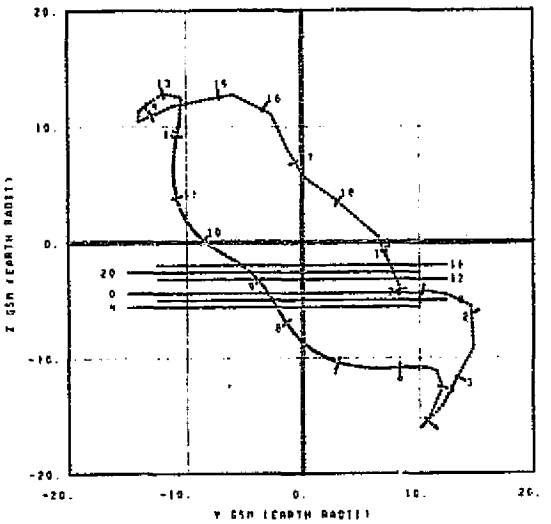
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 5/16.00H TO 1976/ 10/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/	5/ 16.00 H	R= 19.0 R_E	11 - 1976/	8/ 3.00 H	R= 17.9 R_E
2 - 1976/	6/ 0.00 H	R= 19.1 R_E	12 - 1976/	8/ 7.00 H	R= 17.9 R_E
3 - 1976/	6/ 5.00 H	R= 19.0 R_E	13 - 1976/	8/ 15.00 H	R= 17.9 R_E
4 - 1976/	6/ 9.00 H	R= 19.0 R_E	14 - 1976/	9/ 1.00 H	R= 18.1 R_E
5 - 1976/	6/ 19.00 H	R= 18.8 R_E	15 - 1976/	9/ 6.00 H	R= 18.3 R_E
6 - 1976/	7/ 2.00 H	R= 18.6 R_E	16 - 1976/	9/ 10.00 H	R= 18.5 R_E
7 - 1976/	7/ 6.00 H	R= 18.4 R_E	17 - 1976/	9/ 17.00 H	R= 18.6 R_E
8 - 1976/	7/ 11.00 H	R= 18.3 R_E	18 - 1976/	9/ 23.00 H	R= 18.8 R_E
9 - 1976/	7/ 16.00 H	R= 18.1 R_E	19 - 1976/ 10/	4.00 H	R= 18.9 R_E
10 - 1976/	7/ 23.00 H	R= 18.0 R_E	20 - 1976/ 10/	7.00 H	R= 19.0 R_E

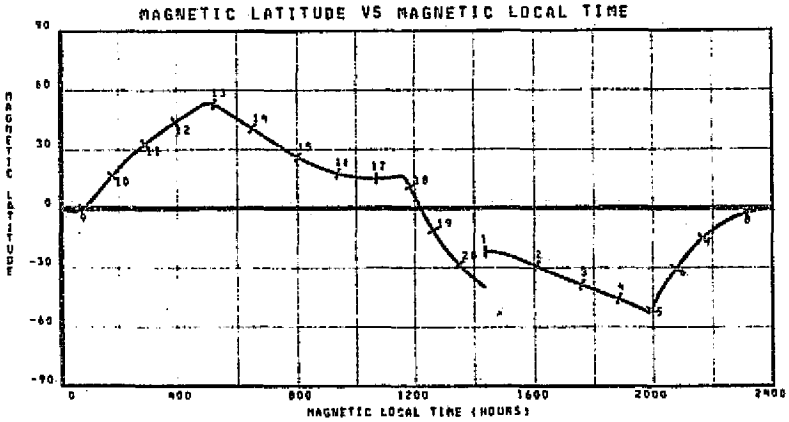
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 5/16.00H TO 1976/ 10/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



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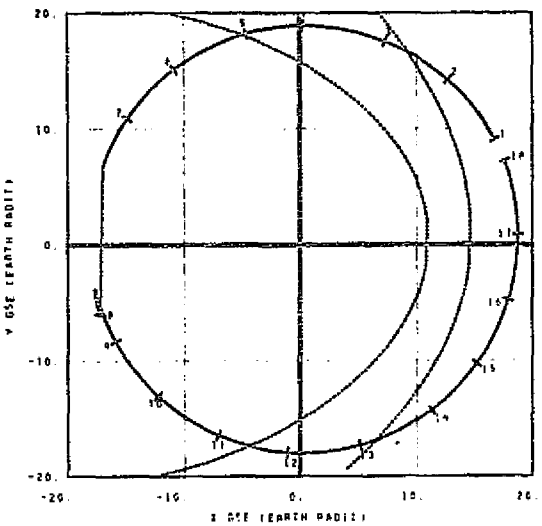
2 - 1976/	5/ 23.00 H	R= 19.0 R_E	9 - 1976/	7/ 15.00 H	R= 18.2 R_E	16 - 1976/	9/ 3.00 H	R= 18.7 R_E
3 - 1976/	6/ 3.00 H	R= 19.1 R_E	10 - 1976/	7/ 22.00 H	R= 18.0 R_E	17 - 1976/	9/ 7.00 H	R= 18.5 R_E
4 - 1976/	6/ 6.00 H	R= 19.0 R_E	11 - 1976/	8/ 2.00 H	R= 17.9 R_E	18 - 1976/	9/ 17.00 H	R= 18.4 R_E
5 - 1976/	6/ 15.00 H	R= 18.9 R_E	12 - 1976/	8/ 8.00 H	R= 17.9 R_E	19 - 1976/	9/ 23.00 H	R= 18.0 R_E
6 - 1976/	6/ 20.00 H	R= 18.8 R_E	13 - 1976/	8/ 12.00 H	R= 17.9 R_E	20 - 1976/ 10/	3.00 H	R= 18.9 R_E
7 - 1976/	7/ 0.00 H	R= 18.6 R_E	14 - 1976/	8/ 18.00 H	R= 18.0 R_E

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 5/16.00H TO1976/ 10/ 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



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2 - 1976/ 10/ 17.00H	LAT= -35.9	12 - 1976/ 13/ 10.00H	LAT= 52.9		
3 - 1976/ 10/ 23.00H	LAT= -47.0	13 - 1976/ 13/ 14.00H	LAT= 59.1		
4 - 1976/ 11/ 4.00H	LAT= -52.9	14 - 1976/ 13/ 18.00H	LAT= 51.5		
5 - 1976/ 11/ 9.00H	LAT= -53.8	15 - 1976/ 13/ 22.00H	LAT= 45.5		
6 - 1976/ 11/ 16.00H	LAT= -46.1	16 - 1976/ 14/ 4.00H	LAT= 33.0		
7 - 1976/ 11/ 22.00H	LAT= -39.6	17 - 1976/ 14/ 12.00H	LAT= 13.4		
8 - 1976/ 12/ 4.00H	LAT= -19.2	18 - 1976/ 14/ 23.00H	LAT= -13.8		
9 - 1976/ 12/ 16.00H	LAT= 13.3				
10 - 1976/ 12/ 22.00H	LAT= 29.2				

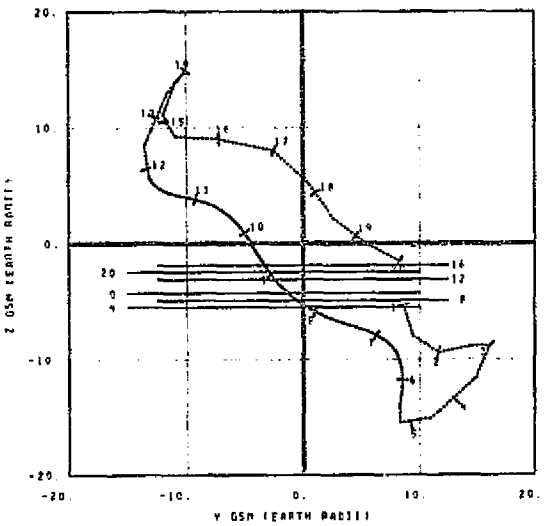
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 10/ 8.00H TO 1976/ 14/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

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2 - 1976/ 10/ 15.00H R= 19.1R_E	12 - 1976/ 13/ 1.00H R= 17.9R_E		
3 - 1976/ 10/ 23.00H R= 19.0R_E	13 - 1976/ 13/ 5.00H R= 17.9R_E		
4 - 1976/ 11/ 5.00H R= 18.9R_E	14 - 1976/ 13/ 11.00H R= 18.0R_E		
5 - 1976/ 11/ 9.00H R= 18.8R_E	15 - 1976/ 13/ 20.00H R= 18.2R_E		
6 - 1976/ 11/ 17.00H R= 18.6R_E	16 - 1976/ 14/ 3.00H R= 18.5R_E		
7 - 1976/ 11/ 23.00H R= 18.4R_E	17 - 1976/ 14/ 7.00H R= 18.6R_E		
8 - 1976/ 12/ 4.00H R= 18.2R_E	18 - 1976/ 14/ 12.00H R= 18.7R_E		
9 - 1976/ 12/ 8.00H R= 18.1R_E	19 - 1976/ 14/ 18.00H R= 18.9R_E		
10 - 1976/ 12/ 12.00H R= 18.0R_E	20 - 1976/ 14/ 23.00H R= 19.0R_E		

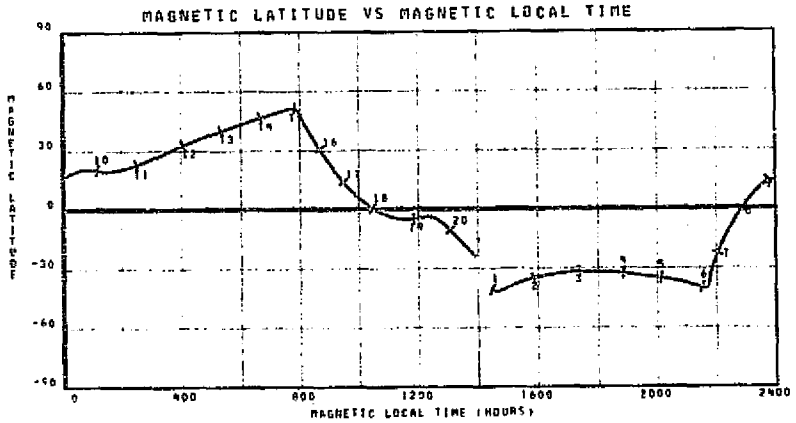
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 10/ 8.00H TO 1976/ 14/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

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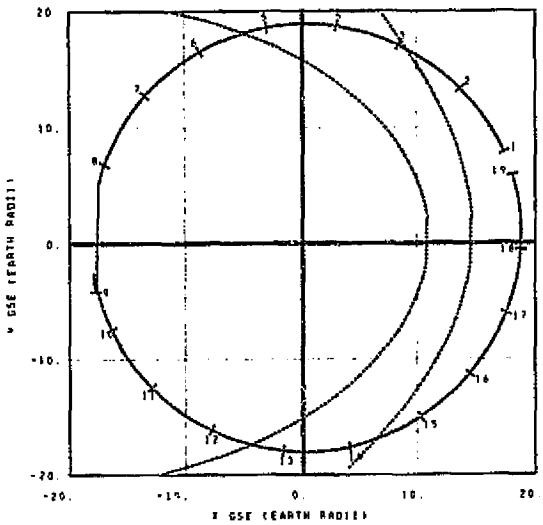
2 - 1976/ 10/ 17.00H R= 19.1R_E	10 - 1976/ 12/ 4.00H R= 18.2R_E	16 - 1976/ 13/ 19.00H R= 18.2R_E	
3 - 1976/ 10/ 22.00H R= 19.0R_E	11 - 1976/ 12/ 12.00H R= 18.0R_E	17 - 1976/ 13/ 23.00H R= 18.3R_E	
4 - 1976/ 11/ 2.00H R= 19.0R_E	12 - 1976/ 12/ 15.00H R= 17.9R_E	18 - 1976/ 14/ 5.00H R= 18.5R_E	
5 - 1976/ 11/ 5.00H R= 18.9R_E	13 - 1976/ 12/ 0.00H R= 17.9R_E	19 - 1976/ 14/ 9.60H R= 18.7R_E	
6 - 1976/ 11/ 10.00H R= 18.8R_E	14 - 1976/ 13/ 3.00H R= 17.9R_E	20 - 1976/ 14/ 19.00H R= 18.9R_E	
7 - 1976/ 11/ 19.00H R= 18.5R_E	14 - 1976/ 13/ 6.00H R= 17.9R_E		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 10 / 8.00H TO1976/ 14 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

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2 - 1976/ 15/ 5.00H	LAT= -36.6	12 - 1976/ 17/ 20.00H	LAT= 43.5		
3 - 1976/ 15/ 15.00H	LAT= -47.5	13 - 1976/ 18/ 2.00H	LAT= 52.8		
4 - 1976/ 15/ 19.00H	LAT= -52.9	14 - 1976/ 18/ 6.00H	LAT= 54.1		
5 - 1976/ 16/ 0.00H	LAT= -59.1	15 - 1976 18/ 10.00H	LAT= 51.3		
6 - 1976/ 16/ 6.00H	LAT= -48.9	16 - 1976/ 18/ 14.00H	LAT= 45.2		
7 - 1976/ 16/ 12.00H	LAT= -37.9	17 - 1976/ 18/ 20.00H	LAT= 32.5		
8 - 1976/ 16/ 19.00H	LAT= -21.2	18 - 1977/ 19/ 4.00H	LAT= 13.1		
9 - 1976/ 16/ 22.00H	LAT= -13.3	19 - 1976/ 19/ 15.00H	LAT= -14.2		
10 - 1976/ 17/ 8.00H	LAT= 14.0				

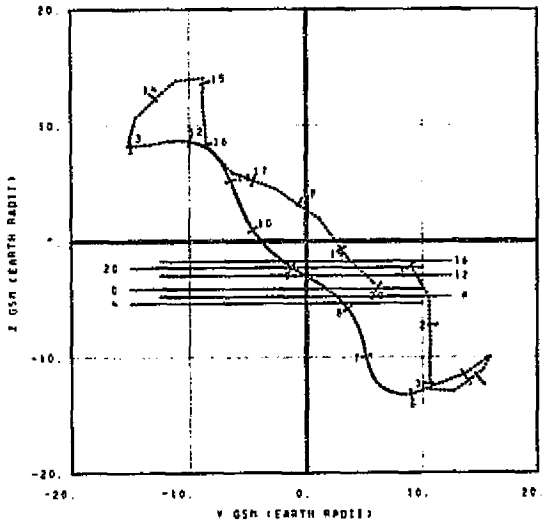
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 15/ 0.00H TO 1976/ 19/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

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2 - 1976/ 15/ 5.00H	R= 19.1RE	12 - 1976/ 17/ 15.00H	R= 17.9RE
3 - 1976/ 15/ 10.00H	R= 19.1RE	13 - 1976/ 17/ 22.00H	R= 17.9RE
4 - 1976/ 15/ 18.00H	R= 19.0RE	14 - 1976/ 18/ 5.00H	R= 18.1RE
5 - 1976/ 16/ 3.00H	R= 18.8RE	15 - 1976/ 18/ 12.00H	R= 18.3RE
6 - 1976/ 16/ 7.00H	R= 18.6RE	16 - 1976/ 18/ 19.00H	R= 18.5RE
7 - 1976/ 16/ 14.00H	R= 18.4RE	17 - 1976/ 19/ 1.00H	R= 18.7RE
8 - 1976/ 16/ 19.00H	R= 18.2RE	18 - 1976/ 19/ 5.00H	R= 18.8RE
9 - 1976/ 17/ 1.00H	R= 18.1RE	19 - 1976/ 19/ 10.00H	R= 18.9RE
10 - 1976/ 17/ 5.00H	R= 18.0RE	20 - 1976/ 19/ 15.00H	R= 19.0RE

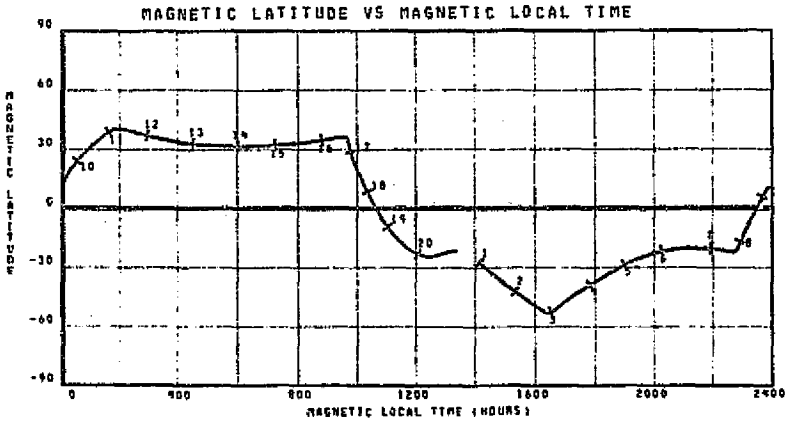
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 15/ 0.00H TO 1976/ 19/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

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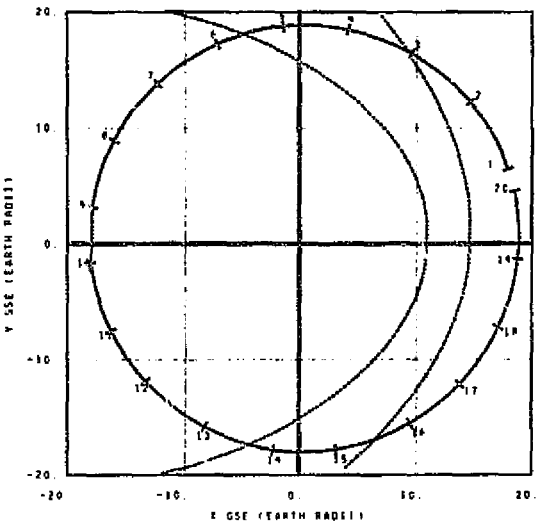
2 - 1976/ 15/ 4.00H	R= 19.1RE	9 - 1976/ 16/ 22.00H	R= 18.1RE	16 - 1976/ 18/ 7.00H	R= 18.1RE
3 - 1976/ 15/ 11.00H	R= 19.1RE	10 - 1976/ 17/ 2.00H	R= 18.0RE	17 - 1976/ 18/ 16.00H	R= 18.3RE
4 - 1976/ 15/ 18.00H	R= 19.0RE	11 - 1976/ 17/ 7.00H	R= 17.9RE	18 - 1976/ 19/ 21.00H	R= 18.9RE
5 - 1976/ 15/ 22.00H	R= 18.7RE	12 - 1976/ 17/ 13.00H	R= 17.9RE	19 - 1976/ 19/ 1.00H	R= 18.7RE
6 - 1976/ 16/ 2.00H	R= 18.6RE	13 - 1976/ 17/ 20.00H	R= 17.9RE	20 - 1976/ 19/ 6.00H	R= 18.8RE
7 - 1976/ 16/ 7.00H	R= 18.6RE	14 - 1976/ 18/ 0.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 15 / 0.00H TO1976/ 19 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 19/ 16.00H	LAT= -16.6	11 - 1976/ 22/ 1.00H	LAT= 17.3		
2 - 1976/ 20/ 1.00H	LAT= -37.0	12 - 1976/ 22/ 4.00H	LAT= 30.9		
3 - 1976/ 20/ 7.00H	LAT= -47.8	13 - 1976/ 22/ 12.00H	LAT= 44.2		
4 - 1976/ 20/ 11.00H	LAT= -52.6	14 - 1976/ 22/ 18.00H	LAT= 52.9		
5 - 1976/ 20/ 15.00H	LAT= -54.2	15 - 1976/ 22/ 22.00H	LAT= 54.0		
6 - 1976/ 20/ 21.00H	LAT= -50.0	16 - 1976/ 23/ 2.00H	LAT= 50.9		
7 - 1976/ 21/ 3.00H	LAT= -39.4	17 - 1976/ 23/ 6.00H	LAT= 44.5		
8 - 1976/ 21/ 9.00H	LAT= -25.7	18 - 1976/ 23/ 12.00H	LAT= 31.7		
9 - 1976/ 21/ 15.00H	LAT= -10.1	19 - 1976/ 23/ 21.00H	LAT= 9.7		
10 - 1976/ 21/ 17.00H	LAT= -4.6	20 - 1976/ 24/ 7.00H	LAT= -15.1		

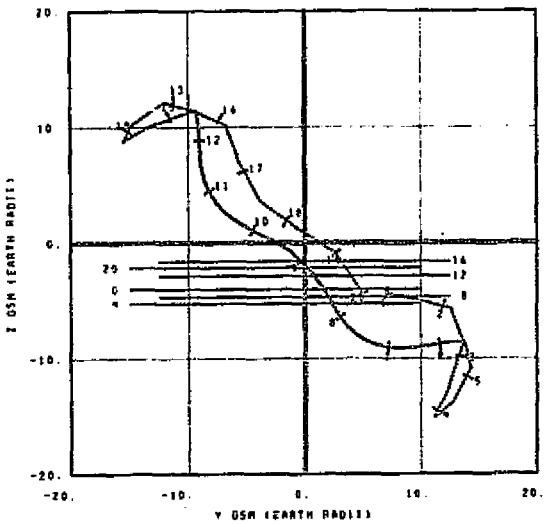
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 19/16.00H TO 1976/ 24/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 19/ 16.00H	R= 19.0RE	11 - 1976/ 22/ 1.00H	R= 17.9RE
2 - 1976/ 19/ 22.00H	R= 19.1RE	12 - 1976/ 22/ 4.00H	R= 17.6RE
3 - 1976/ 20/ 4.00H	R= 19.4RE	13 - 1976/ 22/ 10.00H	R= 17.7RE
4 - 1976/ 20/ 9.00H	R= 19.0RE	14 - 1976/ 22/ 20.00H	R= 18.0RE
5 - 1976/ 20/ 18.00H	R= 18.8RE	15 - 1976/ 23/ 5.00H	R= 18.3RE
6 - 1976/ 21/ 2.00H	R= 18.5RE	16 - 1976/ 23/ 10.00H	R= 18.4RE
7 - 1976/ 21/ 6.00H	R= 18.4RE	17 - 1976/ 23/ 16.00H	R= 18.4RE
8 - 1976/ 21/ 11.00H	R= 18.2RE	18 - 1976/ 23/ 22.00H	R= 18.8RE
9 - 1976/ 21/ 17.00H	R= 18.1RE	19 - 1976/ 24/ 3.00H	R= 18.9RE
10 - 1976/ 21/ 22.00H	R= 17.9RE	20 - 1976/ 24/ 7.00H	R= 19.0RE

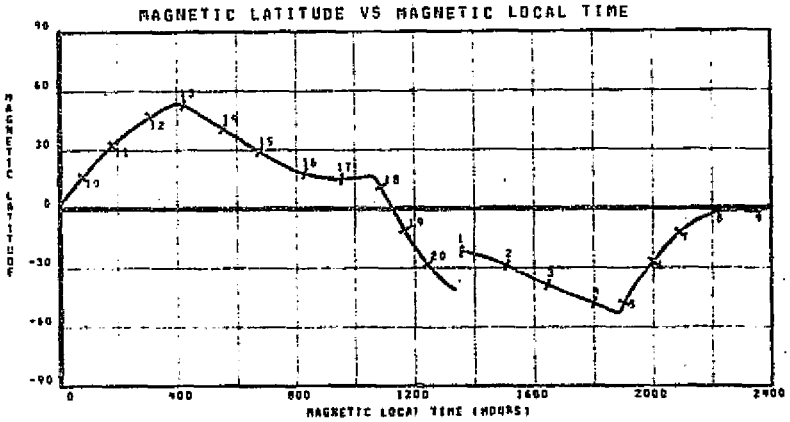
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 19/16.00H TO 1976/ 24/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 19/ 16.00H	R= 19.0RE	8 - 1976/ 21/ 5.00H	R= 18.4RE	15 - 1976/ 22/ 21.00H	R= 18.6RE
2 - 1976/ 19/ 22.00H	R= 19.1RE	9 - 1976/ 21/ 13.00H	R= 18.2RE	16 - 1976/ 23/ 2.00H	R= 18.2RE
3 - 1976/ 20/ 7.00H	R= 19.1RE	10 - 1976/ 21/ 21.00H	R= 18.0RE	17 - 1976/ 23/ 8.00H	R= 18.3RE
4 - 1976/ 20/ 8.00H	R= 19.0RE	11 - 1976/ 22/ 1.00H	R= 17.9RE	18 - 1976/ 23/ 16.00H	R= 18.6RE
5 - 1976/ 20/ 14.00H	R= 18.9RE	12 - 1976/ 22/ 5.00H	R= 17.9RE	19 - 1976/ 23/ 22.00H	R= 18.8RE
6 - 1976/ 20/ 20.00H	R= 18.7RE	13 - 1976/ 22/ 11.00H	R= 17.9RE	20 - 1976/ 24/ 7.00H	R= 19.0RE
7 - 1976/ 21/ 0.00H	R= 18.6RE	14 - 1976/ 22/ 17.00H	R= 17.9RE		

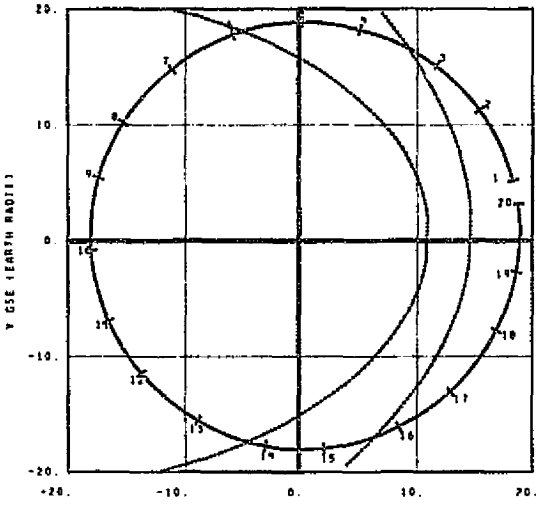
TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 19/16.00H TO1976/ 24/ 8.00H

ORIGINAL PAGE IS
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 24/ 0.00H	LAT= -17.5	11 - 197:/ 26/ 17.00H	LAT=	18.2
2 - 1976/ 24/ 17.00H	LAT= -37.7	12 - 1976/ 26/ 22.00H	LAT=	11.2
3 - 1976/ 24/ 22.00H	LAT= -46.8	13 - 1976/ 27/ 4.00H	LAT=	44.8
4 - 1976/ 25/ 3.00H	LAT= -52.8	14 - 1976/ 27/ 10.00H	LAT=	53.2
5 - 1976/ 25/ 6.00H	LAT= -54.1	15 - 1976/ 27/ 14.00H	LAT=	53.9
6 - 1976/ 25/ 12.00H	LAT= -50.7	16 - 1976/ 27/ 18.00H	LAT=	52.6
7 - 1976/ 25/ 18.00H	LAT= -40.9	17 - 1976/ 27/ 22.00H	LAT=	44.1
8 - 1976/ 26/ 0.00H	LAT= -27.3	18 - 1976/ 28/ 5.00H	LAT=	28.8
9 - 1976/ 26/ 5.00H	LAT= -14.5	19 - 1976/ 28/ 11.00H	LAT=	9.0
10 - 1976/ 26/ 11.00H	LAT= 1.8	20 - 1976/ 28/ 23.00H	LAT=	-15.8

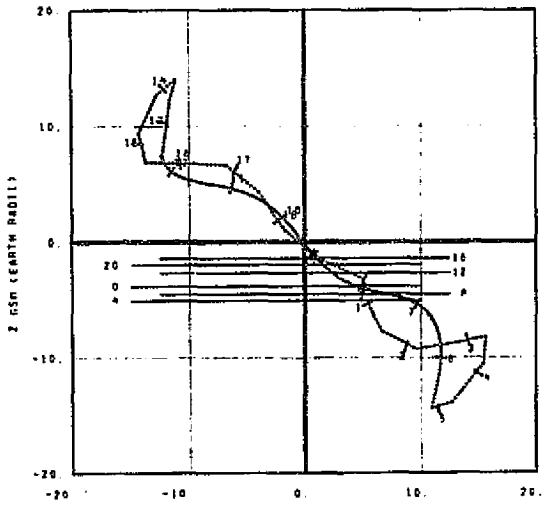
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 24/ 0.00H TO 1976/ 28/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 24/ 0.00H	R= 19.6RE	11 - 1976/ 26/ 18.00H	R= 17.9RE
2 - 1976/ 24/ 14.00H	R= 19.1RE	12 - 1976/ 27/ 0.00H	R= 17.9RE
3 - 1976/ 24/ 20.00H	R= 19.0RE	13 - 1976/ 27/ 5.00H	R= 17.9RE
4 - 1976/ 25/ 4.00H	R= 18.9RE	14 - 1976/ 27/ 14.00H	R= 18.1RE
5 - 1976/ 25/ 9.00H	R= 18.8RE	15 - 1976/ 27/ 20.00H	R= 18.2RE
6 - 1976/ 25/ 17.00H	R= 18.6RE	16 - 1976/ 28/ 3.00H	R= 18.5RE
7 - 1976/ 25/ 23.00H	R= 18.4RE	17 - 1976/ 28/ 8.00H	R= 18.6RE
8 - 1976/ 26/ 4.00H	R= 18.2RE	18 - 1976/ 28/ 14.00H	R= 18.8RE
9 - 1976/ 26/ 9.00H	R= 18.1RE	19 - 1976/ 28/ 18.00H	R= 18.9RE
10 - 1976/ 26/ 13.00H	R= 18.0RE	20 - 1976/ 28/ 23.00H	R= 19.0RE

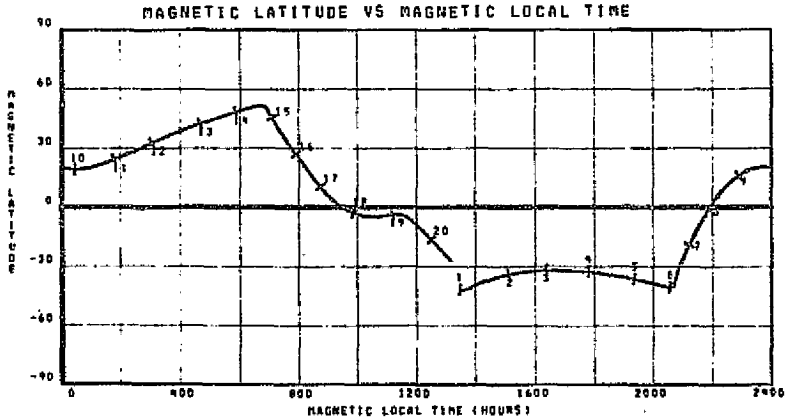
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 24/ 0.00H TO 1976/ 28/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

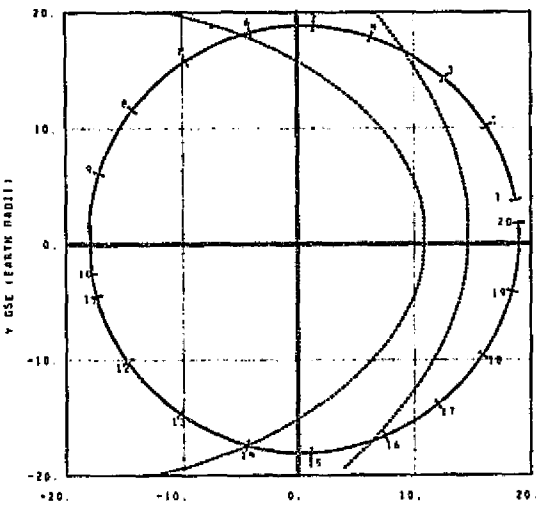
1 - 1976/ 24/ 0.00H	R= 19.6RE	11 - 1976/ 26/ 18.00H	R= 17.9RE
2 - 1976/ 24/ 14.00H	R= 19.1RE	12 - 1976/ 27/ 0.00H	R= 17.9RE
3 - 1976/ 24/ 20.00H	R= 19.0RE	13 - 1976/ 27/ 5.00H	R= 17.9RE
4 - 1976/ 25/ 4.00H	R= 18.9RE	14 - 1976/ 27/ 14.00H	R= 18.1RE
5 - 1976/ 25/ 9.00H	R= 18.8RE	15 - 1976/ 27/ 20.00H	R= 18.2RE
6 - 1976/ 25/ 17.00H	R= 18.6RE	16 - 1976/ 28/ 3.00H	R= 18.5RE
7 - 1976/ 25/ 23.00H	R= 18.4RE	17 - 1976/ 28/ 8.00H	R= 18.6RE
8 - 1976/ 26/ 4.00H	R= 18.2RE	18 - 1976/ 28/ 14.00H	R= 18.8RE
9 - 1976/ 26/ 9.00H	R= 18.1RE	19 - 1976/ 28/ 18.00H	R= 18.9RE
10 - 1976/ 26/ 13.00H	R= 18.0RE	20 - 1976/ 28/ 23.00H	R= 19.0RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 24/ 0.00H TO1976/ 28 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 29/ 0.00H	LAT= -18.2	11 - 1976/ 31/ 7.00H	LAT= 13.9		
2 - 1976/ 29/ 4.00H	LAT= -38.5	12 - 1976/ 31/ 15.00H	LAT= 29.9		
3 - 1976/ 29/ 14.00H	LAT= -47.3	13 - 1976/ 31/ 19.00H	LAT= 43.9		
4 - 1976/ 29/ 18.00H	LAT= -53.0	14 - 1976/ 32/ 1.00H	LAT= 52.6		
5 - 1976/ 29/ 22.00H	LAT= -58.2	15 - 1976/ 32/ 6.00H	LAT= 53.9		
6 - 1976/ 30/ 3.00H	LAT= -51.7	16 - 1976/ 32/ 10.00H	LAT= 50.2		
7 - 1976/ 30/ 8.00H	LAT= -42.5	17 - 1976/ 32/ 14.00H	LAT= 43.6		
8 - 1976/ 30/ 15.00H	LAT= -29.2	18 - 1976/ 32/ 20.00H	LAT= 30.5		
9 - 1976/ 30/ 21.00H	LAT= -13.9	19 - 1976/ 33/ 5.00H	LAT= 8.4		
10 - 1976/ 31/ 5.00H	LAT= 7.9	20 - 1976/ 33/ 15.00H	LAT= -16.4		

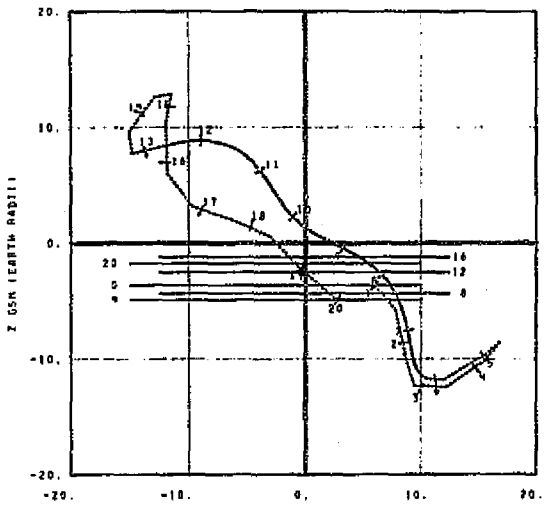
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 29/ 0.00H TO 1976/ 33/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 29/ 0.00H	R= 19.0R$_E$	11 - 1976/ 31/ 10.00H	R= 17.9R$_E$		
2 - 1976/ 29/ 6.00H	R= 19.1R$_E$	12 - 1976/ 31/ 16.00H	R= 17.9R$_E$		
3 - 1976/ 29/ 12.00H	R= 19.1R$_E$	13 - 1976/ 31/ 21.00H	R= 17.9R$_E$		
4 - 1976/ 29/ 18.00H	R= 19.0R$_E$	14 - 1976/ 32/ 5.00H	R= 18.1R$_E$		
5 - 1976/ 30/ 3.00H	R= 18.8R$_E$	15 - 1976/ 32/ 13.00H	R= 18.3R$_E$		
6 - 1976/ 30/ 8.00H	R= 18.6R$_E$	16 - 1976/ 32/ 18.00H	R= 18.5R$_E$		
7 - 1976/ 30/ 15.00H	R= 18.4R$_E$	17 - 1976/ 33/ 0.00H	R= 18.6R$_E$		
8 - 1976/ 30/ 20.00H	R= 18.2R$_E$	18 - 1976/ 33/ 5.00H	R= 18.8R$_E$		
9 - 1976/ 31/ 0.00H	R= 18.1R$_E$	19 - 1976/ 33/ 11.00H	R= 18.7R$_E$		
10 - 1976/ 31/ 5.00H	R= 18.0R$_E$	20 - 1976/ 33/ 15.00H	R= 19.0R$_E$		

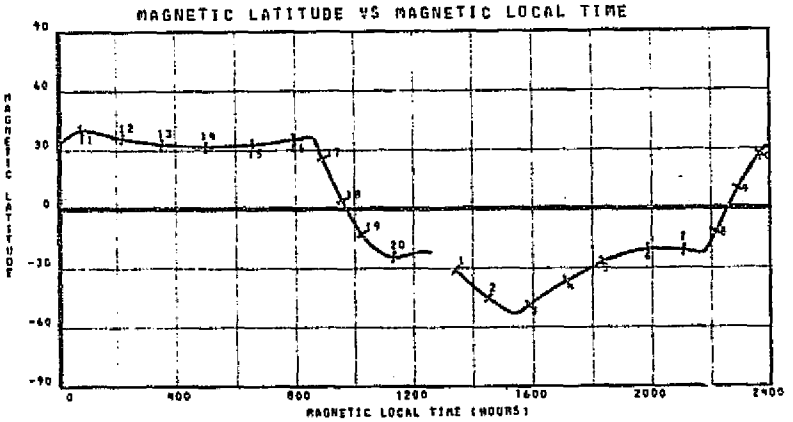
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 29/ 0.00H TO 1976/ 33/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

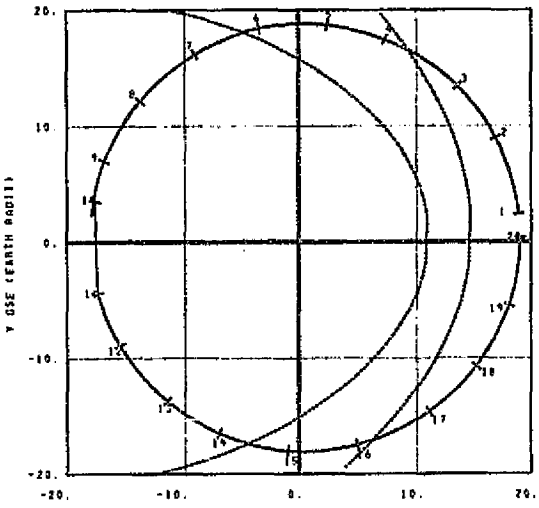
1 - 1976/ 29/ 0.00H	R= 19.0R$_E$	8 - 1976/ 30/ 17.00H	R= 18.3R$_E$	15 - 1976/ 32/ 3.00H	R= 18.8R$_E$
2 - 1976/ 29/ 4.00H	R= 19.1R$_E$	9 - 1976/ 30/ 22.00H	R= 18.1R$_E$	16 - 1976/ 32/ 7.00H	R= 18.1R$_E$
3 - 1976/ 29/ 13.00H	R= 19.1R$_E$	10 - 1976/ 31/ 2.00H	R= 18.0R$_E$	17 - 1976/ 32/ 14.00H	R= 18.4R$_E$
4 - 1976/ 29/ 18.00H	R= 19.0R$_E$	11 - 1976/ 31/ 8.00H	R= 17.9R$_E$	18 - 1976/ 32/ 21.00H	R= 18.6R$_E$
5 - 1976/ 29/ 22.00H	R= 18.9R$_E$	12 - 1976/ 31/ 15.00H	R= 17.9R$_E$	19 - 1976/ 33/ 1.00H	R= 18.7R$_E$
6 - 1976/ 30/ 3.00H	R= 18.8R$_E$	13 - 1976/ 31/ 19.00H	R= 17.9R$_E$	20 - 1976/ 33/ 7.00H	R= 18.8R$_E$
7 - 1976/ 30/ 7.00H	R= 18.6R$_E$	14 - 1976/ 31/ 23.00H	R= 17.9R$_E$		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 29 / 0.00H TO1976/ 33 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 33/ 16.00H	LAT= -18.8	11 - 1976/ 35/ 23.00H	LAT= 14.1
2 - 1976/ 34/ 1.00H	LAT= -38.8	12 - 1976/ 36/ 9.00H	LAT= 27.9
3 - 1976/ 34/ 6.00H	LAT= -47.6	13 - 1976/ 36/ 10.00H	LAT= 31.8
4 - 1976/ 34/ 11.00H	LAT= -53.2	14 - 1976/ 36/ 15.00H	LAT= 50.6
5 - 1976/ 34/ 14.00H	LAT= -59.1	15 - 1976/ 36/ 21.00H	LAT= 54.6
6 - 1976/ 34/ 19.00H	LAT= -51.3	16 - 1976/ 37/ 1.00H	LAT= 51.1
7 - 1976/ 35/ 1.00H	LAT= -41.9	17 - 1976/ 37/ 6.00H	LAT= 42.9
8 - 1976/ 35/ 7.00H	LAT= -29.6	18 - 1976/ 37/ 12.00H	LAT= 29.8
9 - 1976/ 35/ 13.00H	LAT= -13.2	19 - 1976/ 37/ 21.00H	LAT= 7.7
10 - 1976/ 35/ 22.00H	LAT= 11.3	20 - 1976/ 38/ 7.00H	LAT= -17.0

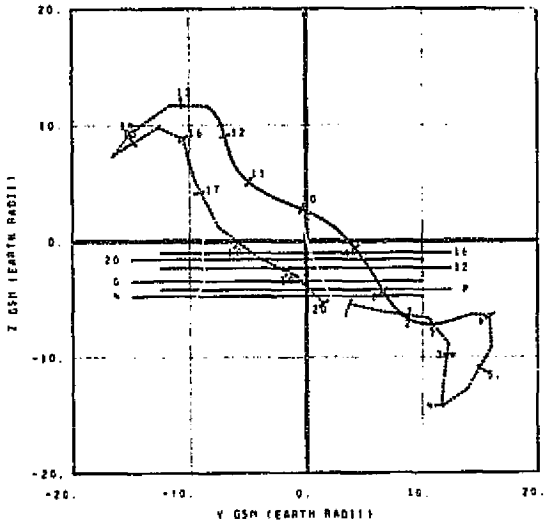
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 33/16.00H TO 1976/ 38/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 33/ 16.00H	R= 19.0RE	11 - 1976/ 36/ 2.00H	R= 17.9RE
2 - 1976/ 33/ 21.00H	R= 19.1RE	12 - 1976/ 36/ 7.00H	R= 17.8RE
3 - 1976/ 34/ 4.00H	R= 19.1RE	13 - 1976/ 36/ 14.00H	R= 17.7RE
4 - 1976/ 34/ 10.00H	R= 19.0RE	14 - 1976/ 36/ 19.00H	R= 18.0RE
5 - 1976/ 34/ 17.00H	R= 18.8RE	15 - 1976/ 37/ 4.00H	R= 18.3RE
6 - 1976/ 34/ 23.00H	R= 18.6RE	16 - 1976/ 37/ 11.00H	R= 18.5RE
7 - 1976/ 35/ 6.00H	R= 18.4RE	17 - 1976/ 37/ 16.00H	R= 18.7RE
8 - 1976/ 35/ 12.00H	R= 18.2RE	18 - 1976/ 37/ 21.00H	R= 18.8RE
9 - 1976/ 35/ 16.00H	R= 18.1RE	19 - 1976/ 38/ 2.00H	R= 18.9RE
10 - 1976/ 35/ 21.00H	R= 17.9RE	20 - 1976/ 38/ 7.00H	R= 19.0RE

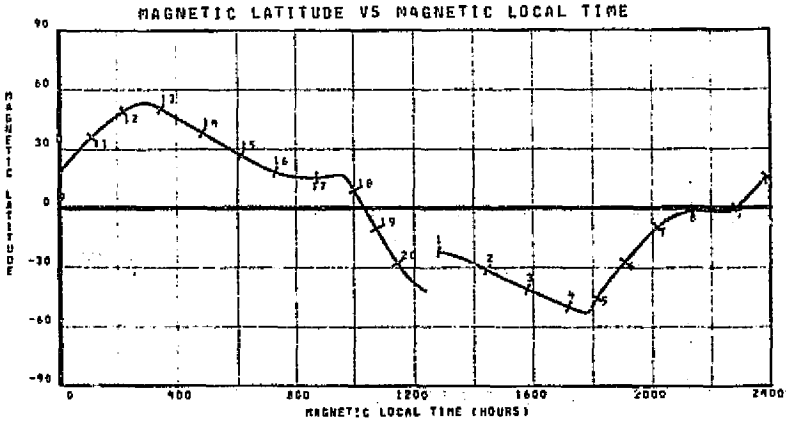
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 33/16.00H TO 1976/ 38/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

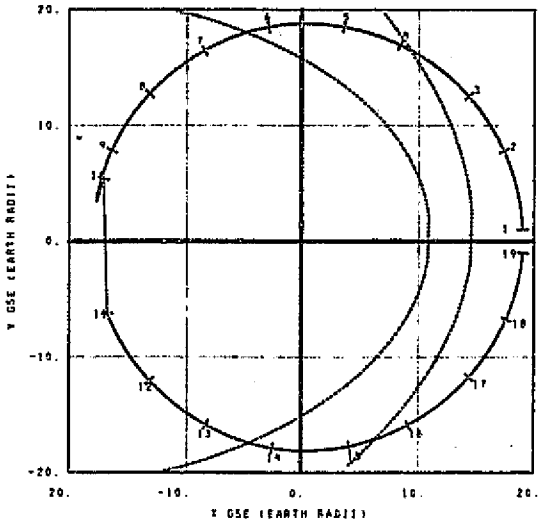
1 - 1976/ 33/ 16.00H	R= 19.0RE	8 - 1976/ 35/ 5.00H	R= 18.4RE
2 - 1976/ 33/ 22.00H	R= 19.1RE	9 - 1976/ 35/ 14.00H	R= 18.1RE
3 - 1976/ 34/ 2.00H	R= 19.1RE	10 - 1976/ 35/ 20.00H	R= 18.0RE
4 - 1976/ 34/ 6.00H	R= 19.0RE	11 - 1976/ 36/ 1.00H	R= 17.9RE
5 - 1976/ 34/ 14.00H	R= 18.7RE	12 - 1976/ 36/ 5.00H	R= 17.9RE
6 - 1976/ 34/ 19.00H	R= 18.6RE	13 - 1976/ 36/ 12.00H	R= 17.9RE
7 - 1976/ 35/ 0.00H	R= 18.5RE	14 - 1976/ 36/ 17.00H	R= 18.0RE
		15 - 1976/ 36/ 21.00H	R= 18.0RE
		16 - 1976/ 37/ 1.00H	R= 18.2RE
		17 - 1976/ 37/ 4.00H	R= 18.3RE
		18 - 1976/ 37/ 16.00H	R= 18.7RE
		19 - 1976/ 37/ 21.00H	R= 18.8RE
		20 - 1976/ 38/ 1.00H	R= 18.9RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 33 /16.00H TO1976/ 38 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 38/ 8.00H	LAT= -19.4	11 - 1976/ 40/ 17.00H	LAT= 20.4
2 - 1976/ 38/ 17.00H	LAT= -39.3	12 - 1976/ 41/ 0.00H	LAT= 38.1
3 - 1976/ 38/ 22.00H	LAT= -48.0	13 - 1976/ 41/ 6.00H	LAT= 49.7
4 - 1976/ 39/ 3.00H	LAT= -53.3	14 - 1976/ 41/ 12.00H	LAT= 59.1
5 - 1976/ 39/ 6.00H	LAT= -59.1	15 - 1976/ 41/ 17.00H	LAT= 50.6
6 - 1976/ 39/ 11.00H	LAT= -51.0	16 - 1976/ 41/ 21.00H	LAT= 49.2
7 - 1976/ 39/ 17.00H	LAT= -41.3	17 - 1976/ 42/ 0.00H	LAT= 27.6
8 - 1976/ 39/ 23.00H	LAT= -27.6	18 - 1976/ 42/ 13.00H	LAT= 6.8
9 - 1976/ 40/ 5.00H	LAT= -12.3	19 - 1976/ 42/ 23.00H	LAT= -17.8
10 - 1976/ 40/ 14.00H	LAT= 17.7		

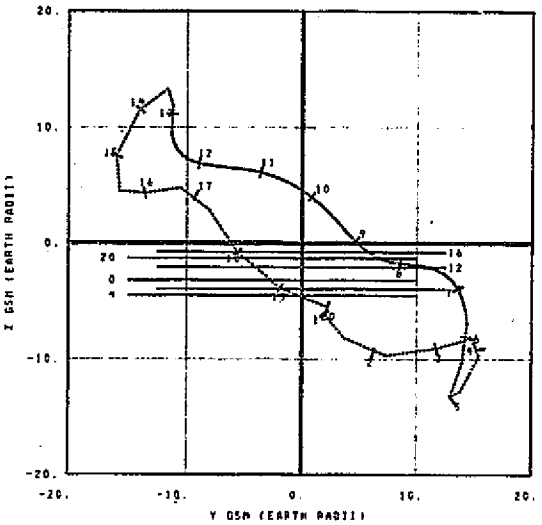
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 38/ 8.00H TO 1976/ 42/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 38/ 8.00H	R= 19.0RE	11 - 1976/ 40/ 18.00H	R= 17.1RE
2 - 1976/ 38/ 14.90H	R= 19.1RE	12 - 1976/ 40/ 23.00H	R= 17.8RE
3 - 1976/ 38/ 19.00H	R= 19.1RE	13 - 1976/ 41/ 6.00H	R= 17.9RE
4 - 1976/ 39/ 2.00H	R= 19.0RE	14 - 1976/ 41/ 15.00H	R= 18.1RE
5 - 1976/ 39/ 9.00H	R= 18.8RE	15 - 1976/ 41/ 19.00H	R= 18.2RE
6 - 1976/ 39/ 17.00H	R= 18.5RE	16 - 1976/ 42/ 3.00H	R= 18.5RE
7 - 1976/ 39/ 21.00H	R= 18.4RE	17 - 1976/ 42/ 9.00H	R= 18.7RE
8 - 1976/ 40/ 4.00H	R= 18.2RE	18 - 1976/ 42/ 15.00H	R= 18.9RE
9 - 1976/ 40/ 9.00H	R= 18.0RE	19 - 1976/ 42/ 19.00H	R= 19.0RE
10 - 1976/ 40/ 14.00H	R= 17.9RE	20 - 1976/ 42/ 23.00H	R= 19.0RE

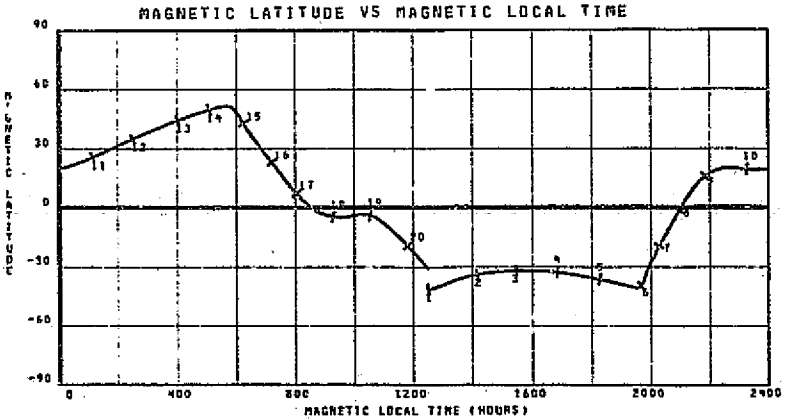
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 38/ 8.00H TO 1976/ 42/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 38/ 8.00H	R= 19.0RE	8 - 1976/ 39/ 22.00H	R= 18.4RE	15 - 1976/ 41/ 19.00H	R= 18.2RE
2 - 1976/ 38/ 16.00H	R= 19.1RE	9 - 1976/ 40/ 4.00H	R= 18.2RE	16 - 1976/ 41/ 21.00H	R= 18.2RE
3 - 1976/ 38/ 22.00H	R= 19.1RE	10 - 1976/ 40/ 11.00H	R= 18.0RE	17 - 1976/ 42/ 23.00H	R= 18.4RE
4 - 1976/ 39/ 0.00H	R= 19.0RE	11 - 1976/ 40/ 19.00H	R= 17.9RE	18 - 1976/ 42/ 5.00H	R= 18.6RE
5 - 1976/ 39/ 4.00H	R= 18.9RE	12 - 1976/ 40/ 23.00H	R= 17.8RE	19 - 1976/ 42/ 13.00H	R= 18.8RE
6 - 1976/ 39/ 11.00H	R= 18.7RE	13 - 1976/ 41/ 3.00H	R= 17.9RE	20 - 1976/ 42/ 20.00H	R= 19.0RE
7 - 1976/ 39/ 18.00H	R= 18.5RE	14 - 1976/ 41/ 6.00H	R= 17.9RE		

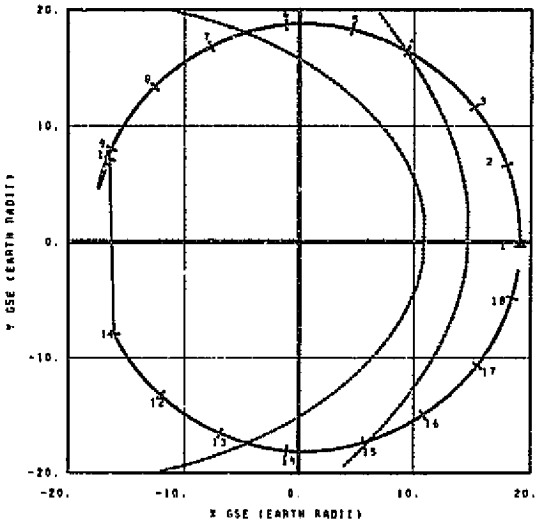
TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 38 / 8.00H TO1976/ 42 /24.00H

ORIGINAL PAGE IS
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



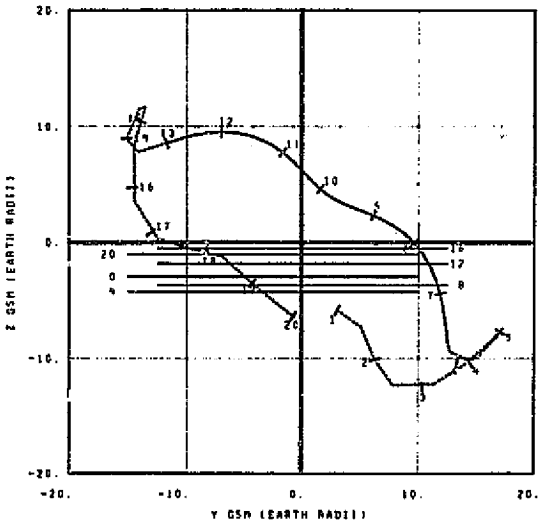
INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 93/ 0.00H LAT= -20.2
2 - 1976/ 93/ 9.00H LAT= -39.9
3 - 1976/ 93/ 14.00H LAT= -48.9
4 - 1976/ 93/ 19.00H LAT= -53.5
5 - 1976/ 93/ 22.00H LAT= -54.1
6 - 1976/ 94/ 2.00H LAT= -51.8
7 - 1976/ 94/ 9.00H LAT= -40.8
8 - 1976/ 94/ 15.00H LAT= -27.2
9 - 1976/ 94/ 22.00H LAT= -9.0
10 - 1976/ 95/ 10.00H LAT= 23.8
11 - 1976/ 95/ 11.00H LAT= 26.9
12 - 1976/ 95/ 18.00H LAT= 43.0
13 - 1976/ 96/ 0.00H LAT= 52.4
14 - 1976/ 96/ 6.00H LAT= 53.3
15 - 1976/ 96/ 11.00H LAT= 47.4
16 - 1976/ 96/ 16.00H LAT= 37.7
17 - 1976/ 97/ 0.00H LAT= 18.8
18 - 1976/ 97/ 11.00H LAT= -8.5

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 93/ 0.00H TO 1976/ 97/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



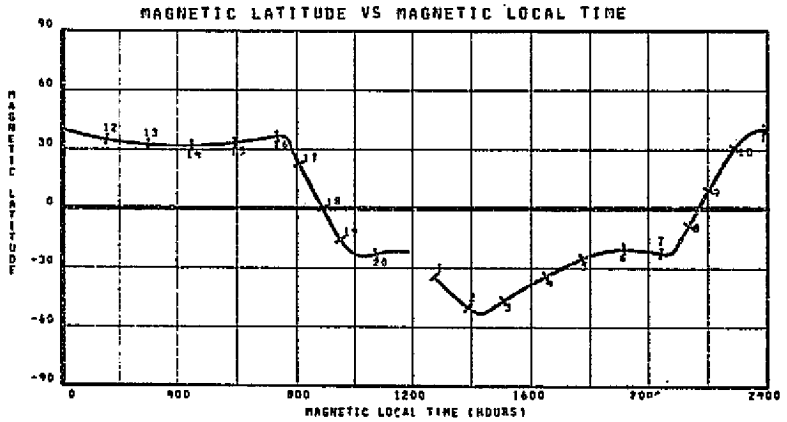
INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 93/ 0.00H R= 19.1R$_E$
2 - 1976/ 93/ 7.00H R= 19.1R$_E$
3 - 1976/ 93/ 14.00H R= 19.1R$_E$
4 - 1976/ 93/ 18.00H R= 19.0R$_E$
5 - 1976/ 94/ 2.00H R= 18.8R$_E$
6 - 1976/ 94/ 9.00H R= 18.5R$_E$
7 - 1976/ 94/ 16.00H R= 18.3R$_E$
8 - 1976/ 94/ 20.00H R= 18.1R$_E$
9 - 1976/ 95/ 0.00H R= 18.0R$_E$
10 - 1976/ 95/ 6.00H R= 17.9R$_E$
11 - 1976/ 95/ 11.00H R= 17.9R$_E$
12 - 1976/ 95/ 16.00H R= 17.9R$_E$
13 - 1976/ 95/ 20.00H R= 17.9R$_E$
14 - 1976/ 96/ 3.00H R= 18.0R$_E$
15 - 1976/ 96/ 13.00H R= 18.1R$_E$
16 - 1976/ 96/ 15.00H R= 18.3R$_E$
17 - 1976/ 96/ 22.00H R= 18.6R$_E$
18 - 1976/ 97/ 3.00H R= 18.8R$_E$
19 - 1976/ 97/ 11.00H R= 19.0R$_E$
20 - 1976/ 97/ 15.00H R= 19.0R$_E$

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 93/ 0.00H TO 1976/ 97/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



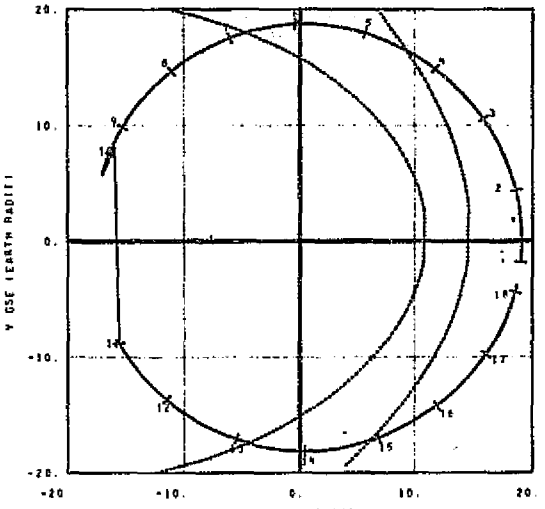
INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 93/ 0.00H R= 19.1R$_E$
2 - 1976/ 93/ 5.00H R= 19.1R$_E$
3 - 1976/ 93/ 13.00H R= 19.1R$_E$
4 - 1976/ 93/ 18.00H R= 19.0R$_E$
5 - 1976/ 93/ 22.00H R= 18.9R$_E$
6 - 1976/ 94/ 2.50H R= 18.7R$_E$
7 - 1976/ 94/ 8.00H R= 18.5R$_E$
8 - 1976/ 94/ 17.00H R= 18.2R$_E$
9 - 1976/ 94/ 21.00H R= 18.1R$_E$
10 - 1976/ 95/ 2.00H R= 18.0R$_E$
11 - 1976/ 95/ 8.00H R= 17.9R$_E$
12 - 1976/ 95/ 15.00H R= 17.9R$_E$
13 - 1976/ 95/ 19.00H R= 17.9R$_E$
14 - 1976/ 95/ 23.00H R= 17.9R$_E$
15 - 1976/ 96/ 3.00H R= 18.0R$_E$
16 - 1976/ 96/ 8.00H R= 18.2R$_E$
17 - 1976/ 96/ 16.00H R= 18.5R$_E$
18 - 1976/ 96/ 21.00H R= 18.6R$_E$
19 - 1976/ 97/ 1.00H R= 18.7R$_E$
20 - 1976/ 97/ 9.00H R= 18.9R$_E$

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 93/ 0.00H TO 1976/ 97/16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 97/ 16.00H	LAT= -20.6	11 - 1976/ 90/ 9.00H	LAT= 29.5		
2 - 1976/ 98/ 0.00H	LAT= -38.3	12 - 1976/ 90/ 11.00H	LAT= 45.9		
3 - 1976/ 98/ 6.00H	LAT= -48.7	13 - 1976/ 90/ 18.00H	LAT= 53.8		
4 - 1976/ 98/ 10.00H	LAT= -53.0	14 - 1976/ 91/ 0.00H	LAT= 51.1		
5 - 1976/ 98/ 14.00H	LAT= -54.0	15 - 1976/ 91/ 5.00H	LAT= 43.1		
6 - 1976/ 98/ 18.00H	LAT= -51.5	16 - 1976/ 91/ 11.00H	LAT= 30.0		
7 - 1976/ 99/ 0.00H	LAT= -42.3	17 - 1976/ 91/ 20.00H	LAT= 7.9		
8 - 1976/ 99/ 6.00H	LAT= -29.0	18 - 1976/ 92/ 6.00H	LAT= -15.8		
9 - 1976/ 99/ 13.00H	LAT= -11.1				
10 - 1976/ 90/ 2.00H	LAT= 24.3				

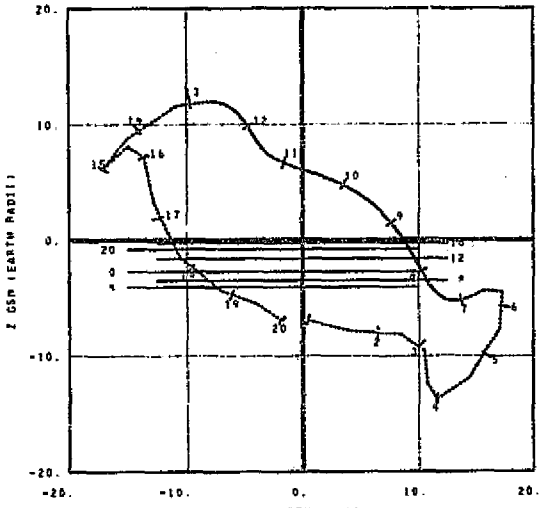
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 97/16.00H TO 1976/ 92/ 6.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 97/ 16.00H	R= 19.0RE	11 - 1976/ 90/ 1.00H	R= 17.9RE
2 - 1976/ 97/ 21.00H	R= 19.1RE	12 - 1976/ 90/ 7.00H	R= 17.3RE
3 - 1976/ 98/ 2.00H	R= 19.1RE	13 - 1976/ 90/ 14.00H	R= 17.9RE
4 - 1976/ 98/ 11.00H	R= 18.9RE	14 - 1976/ 90/ 18.00H	R= 18.6RE
5 - 1976/ 98/ 17.00H	R= 18.8RE	15 - 1976/ 90/ 23.00H	R= 18.1RE
6 - 1976/ 98/ 21.00H	R= 18.7RE	16 - 1976/ 91/ 11.00H	R= 18.5RE
7 - 1976/ 99/ 6.00H	R= 18.3RE	17 - 1976/ 91/ 16.00H	R= 18.7RE
8 - 1976/ 99/ 12.00H	R= 18.1RE	18 - 1976/ 91/ 29.00H	R= 18.8RE
9 - 1976/ 99/ 16.00H	R= 18.0RE	19 - 1976/ 92/ 0.00H	R= 18.9RE
10 - 1976/ 99/ 20.00H	R= 17.9RE	20 - 1976/ 92/ 7.00H	R= 19.0RE

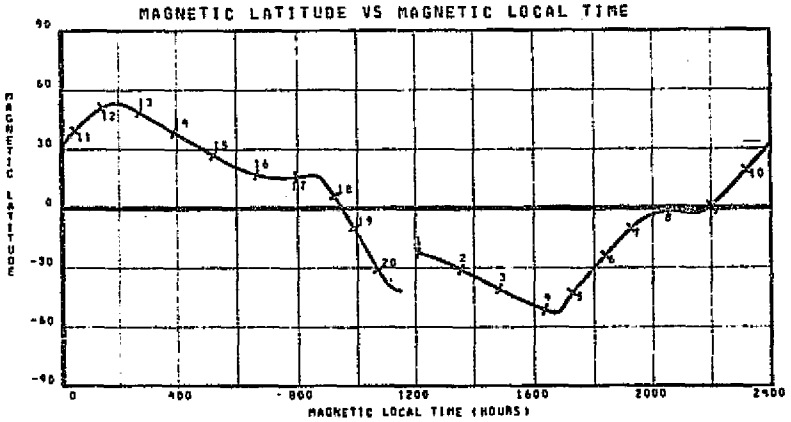
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 97/16.00H TO 1976/ 92/ 6.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

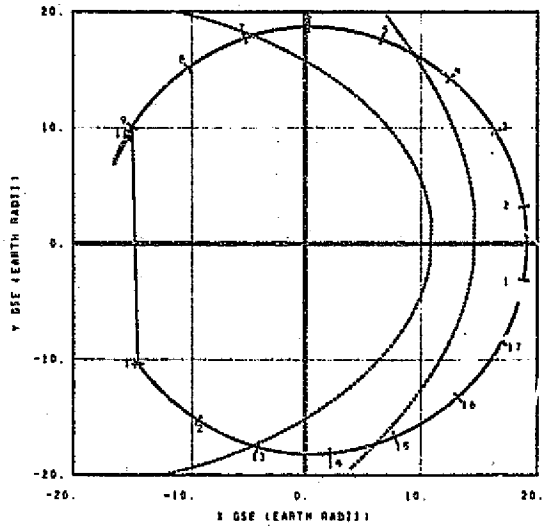
1 - 1976/ 97/ 16.00H	R= 19.0RE	8 - 1976/ 99/ 5.00H	R= 18.0RE
2 - 1976/ 97/ 21.00H	R= 19.1RE	9 - 1976/ 99/ 10.00H	R= 18.1RE
3 - 1976/ 98/ 1.00H	R= 19.1RE	10 - 1976/ 99/ 20.00H	R= 17.9RE
4 - 1976/ 98/ 6.00H	R= 19.0RE	11 - 1976/ 90/ 1.00H	R= 17.9RE
5 - 1976/ 98/ 14.00H	R= 18.9RE	12 - 1976/ 90/ 9.00H	R= 18.4RE
6 - 1976/ 98/ 19.00H	R= 18.7RE	13 - 1976/ 90/ 12.00H	R= 17.9RE
7 - 1976/ 98/ 23.00H	R= 18.6RE	14 - 1976/ 90/ 16.00H	R= 17.9RE
		15 - 1976/ 90/ 20.00H	R= 18.0RE
		16 - 1976/ 91/ -1.00H	R= 18.2RE
		17 - 1976/ 91/ 6.00H	R= 18.3RE
		18 - 1976/ 91/ 14.00H	R= 18.7RE
		19 - 1976/ 91/ 17.00H	R= 18.8RE
		20 - 1976/ 92/ 1.00H	R= 19.0RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 97/16.00H TO1976/ 92 / 6.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 52/ 8.00H	LAT= -21.5	11 - 1976/ 54/ 22.00H	LAT= 35.1
2 - 1976/ 52/ 16.00H	LAT= -39.0	12 - 1976/ 55/ 4.00H	LAT= 50.7
3 - 1976/ 52/ 22.00H	LAT= -49.2	13 - 1976/ 55/ 12.00H	LAT= 53.9
4 - 1976/ 53/ 2.00H	LAT= -53.2	14 - 1976/ 55/ 18.00H	LAT= 48.0
5 - 1976/ 53/ 8.00H	LAT= -53.9	15 - 1976/ 55/ 23.00H	LAT= 38.4
6 - 1976/ 53/ 10.00H	LAT= -51.0	16 - 1976/ 56/ 7.00H	LAT= 19.7
7 - 1976/ 53/ 16.00H	LAT= -41.9	17 - 1976/ 56/ 17.00H	LAT= -5.3
8 - 1976/ 53/ 22.00H	LAT= -28.1		
9 - 1976/ 54/ 6.00H	LAT= -7.3		
10 - 1976/ 54/ 20.00H	LAT= 30.9		

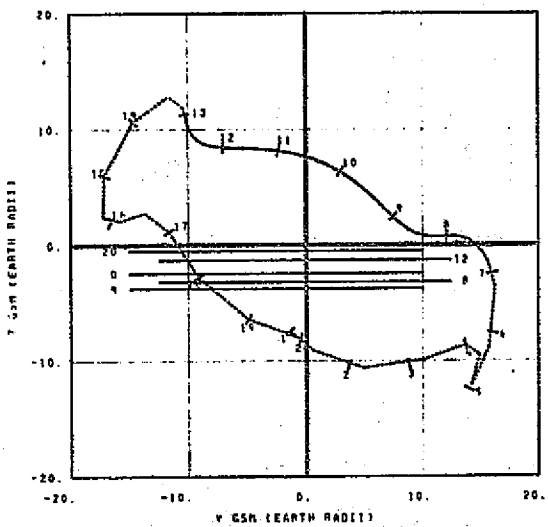
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 52/ 8.00H TO 1976/ 56/20.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 52/ 8.00H	R= 19.0RE	11 - 1976/ 54/ 19.00H	R= 17.9RE
2 - 1976/ 52/ 14.00H	R= 19.1RE	12 - 1976/ 54/ 22.00H	R= 17.9RE
3 - 1976/ 52/ 18.00H	R= 19.1RE	13 - 1976/ 55/ 4.00H	R= 17.9RE
4 - 1976/ 52/ 23.00H	R= 19.0RE	14 - 1976/ 55/ 15.00H	R= 18.1RE
5 - 1976/ 53/ 9.00H	R= 18.8RE	15 - 1976/ 55/ 19.00H	R= 18.3RE
6 - 1976/ 53/ 15.00H	R= 18.5RE	16 - 1976/ 56/ 1.00H	R= 18.5RE
7 - 1976/ 53/ 20.00H	R= 18.4RE	17 - 1976/ 56/ 11.00H	R= 18.8RE
8 - 1976/ 54/ 3.00H	R= 18.2RE	18 - 1976/ 56/ 15.00H	R= 18.9RE
9 - 1976/ 54/ 10.00H	R= 18.0RE	19 - 1976/ 56/ 19.00H	R= 19.0RE
10 - 1976/ 54/ 15.00H	R= 17.9RE	20 - 1976/ 56/ 23.00H	R= 19.0RE

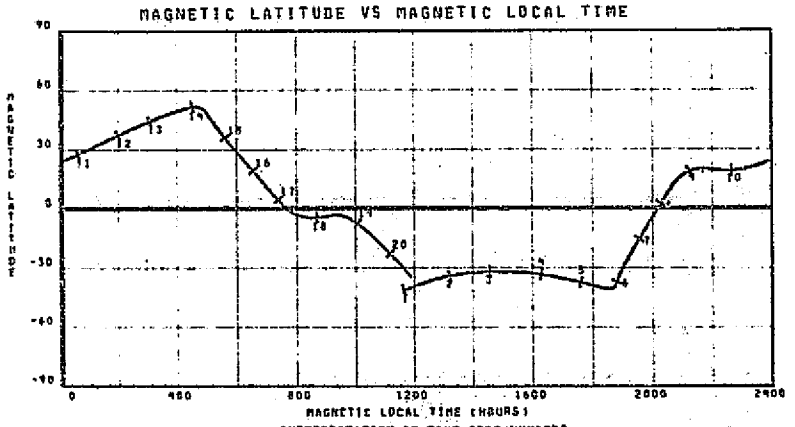
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 52/ 8.00H TO 1976/ 56/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

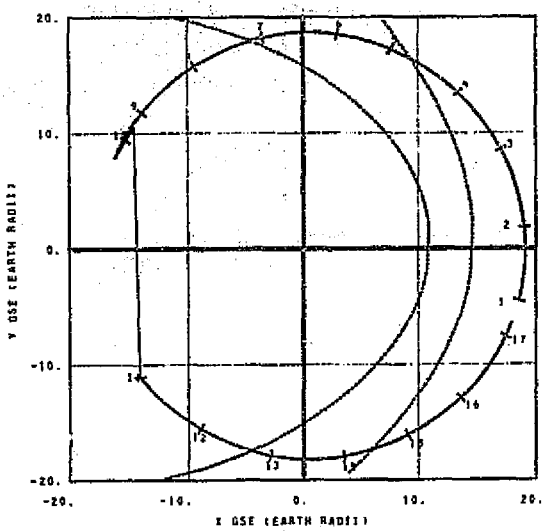
1 - 1976/ 52/ 8.00H	R= 19.	8 - 1976/ 53/ 22.00H	R= 18.3RE	15 - 1976/ 55/ 15.00H	R= 18.1RE
2 - 1976/ 52/ 15.00H	R= 19.	9 - 1976/ 54/ 4.00H	R= 18.1RE	16 - 1976/ 55/ 19.00H	R= 18.3RE
3 - 1976/ 52/ 19.00H	R= 19.1RE	10 - 1976/ 54/ 12.00H	R= 17.9RE	17 - 1976/ 55/ 23.00H	R= 18.4RE
4 - 1976/ 52/ 23.00H	R= 19.0RE	11 - 1976/ 54/ 19.00H	R= 17.9RE	18 - 1976/ 56/ 6.00H	R= 18.6RE
5 - 1976/ 53/ 4.00H	R= 18.9RE	12 - 1976/ 54/ 23.00H	R= 17.9RE	19 - 1976/ 56/ 15.00H	R= 18.9RE
6 - 1976/ 53/ 12.00H	R= 18.7RE	13 - 1976/ 55/ 2.00H	R= 17.9RE	20 - 1976/ 56/ 20.00H	R= 19.0RE
7 - 1976/ 53/ 18.00H	R= 18.5RE	14 - 1976/ 55/ 7.00H	R= 17.9RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 52 / 8.00H TO1976/ 56 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 57/ 0.00H	LAT= -22.2	11 - 1976/ 59/ 15.00H	LAT= 28.2
2 - 1976/ 57/ 8.00H	LAT= -39.6	12 - 1976/ 59/ 23.00H	LAT= 52.2
3 - 1976/ 57/ 14.00H	LAT= -49.6	13 - 1976/ 60/ 6.00H	LAT= 52.6
4 - 1976/ 57/ 18.00H	LAT= -53.3	14 - 1976/ 60/ 12.00H	LAT= 43.9
5 - 1976/ 57/ 22.00H	LAT= -53.8	15 - 1976/ 60/ 18.00H	LAT= 31.0
6 - 1976/ 58/ 1.00H	LAT= -51.9	16 - 1976/ 61/ 2.00H	LAT= 11.9
7 - 1976/ 58/ 7.00H	LAT= -43.0	17 - 1976/ 61/ 13.00H	LAT= -15.7
8 - 1976/ 58/ 14.00H	LAT= -27.4		
9 - 1976/ 58/ 21.00H	LAT= -9.5		
10 - 1976/ 59/ 12.00H	LAT= 21.0		

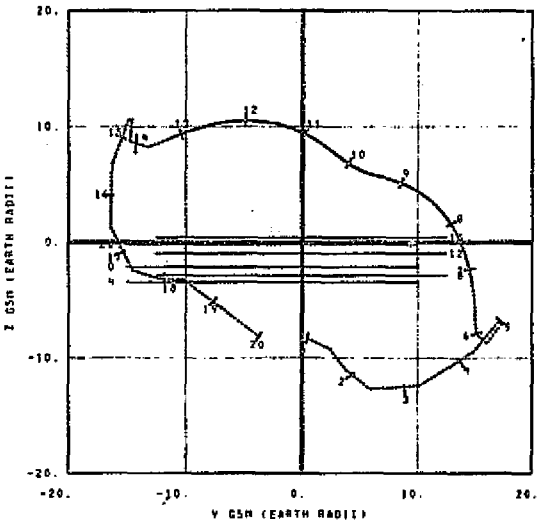
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 57/ 0.00H TO 1976/ 61/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 57/ 0.00H	R= 19.1RE	11 - 1976/ 59/ 12.00H	R= 17.8RE
2 - 1976/ 57/ 8.00H	R= 19.1RE	12 - 1976/ 59/ 16.00H	R= 17.8RE
3 - 1976/ 57/ 14.00H	R= 19.0RE	13 - 1976/ 59/ 20.00H	R= 17.9RE
4 - 1976/ 57/ 18.00H	R= 19.0RE	14 - 1976/ 60/ 1.00H	R= 18.0RE
5 - 1976/ 57/ 23.00H	R= 18.8RE	15 - 1976/ 60/ 13.00H	R= 18.3RE
6 - 1976/ 58/ 11.00H	R= 18.4RE	16 - 1976/ 60/ 17.00H	R= 18.5RE
7 - 1976/ 58/ 16.00H	R= 18.3RE	17 - 1976/ 60/ 21.00H	R= 18.6RE
8 - 1976/ 58/ 19.00H	R= 18.2RE	18 - 1976/ 61/ 9.00H	R= 18.8RE
9 - 1976/ 59/ 0.00H	R= 18.0RE	19 - 1976/ 61/ 11.00H	R= 19.0RE
10 - 1976/ 59/ 7.00H	R= 17.9RE	20 - 1976/ 61/ 15.00H	R= 19.0RE

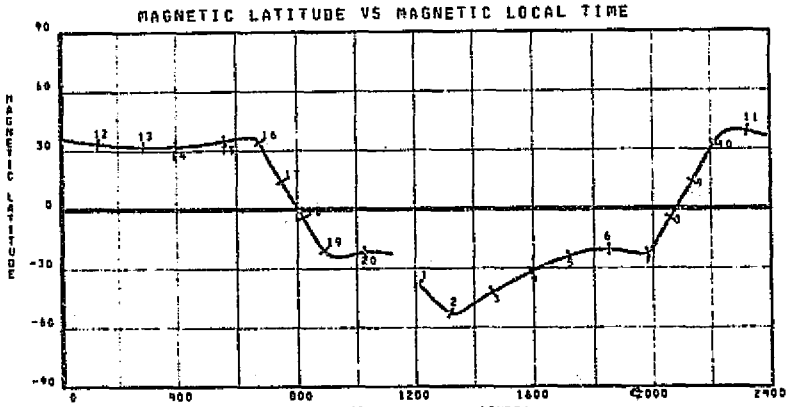
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 57/ 0.00H TO 1976/ 61/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 57/ 0.00H	R= 19.1RE	9 - 1976/ 58/ 17.00H	R= 18.2RE	15 - 1976/ 60/ 9.00H	R= 18.8RE
2 - 1976/ 57/ 8.00H	R= 19.1RE	9 - 1976/ 58/ 21.00H	R= 18.1RE	16 - 1976/ 60/ 11.00H	R= 18.9RE
3 - 1976/ 57/ 14.00H	R= 19.0RE	10 - 1976/ 59/ 2.00H	R= 18.0RE	17 - 1976/ 60/ 17.00H	R= 18.5RE
4 - 1976/ 57/ 18.00H	R= 19.0RE	11 - 1976/ 59/ 9.00H	R= 17.9RE	18 - 1976/ 60/ 21.00H	R= 18.6RE
5 - 1976/ 57/ 22.00H	R= 18.9RE	12 - 1976/ 59/ 16.00H	R= 17.8RE	19 - 1976/ 61/ 2.00H	R= 18.8RE
6 - 1976/ 58/ 1.00H	R= 18.7RE	13 - 1976/ 59/ 20.00H	R= 17.9RE	20 - 1976/ 61/ 11.00H	R= 19.0RE
7 - 1976/ 58/ 10.00H	R= 18.5RE	14 - 1976/ 59/ 23.00H	R= 17.9RE		
8 - 1976/ 58/ 14.00H	R= 18.3RE				

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 57/ 0.00H TO1976/ 61 /16.00H

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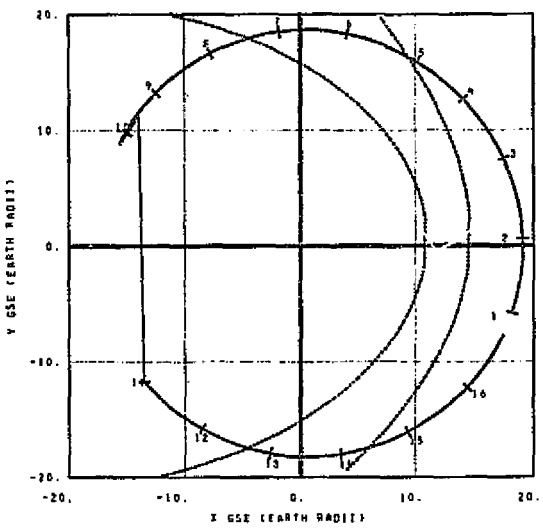
VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 61/ 16.00H	LAT= -22.8	11 - 1976/ 64/ 5.00H	LAT=	41.1
2 - 1976/ 62/ 0.00H	LAT= -40.1	12 - 1976/ 64/ 16.00H	LAT=	53.1
3 - 1976/ 62/ 6.00H	LAT= -49.8	13 - 1976/ 64/ 23.00H	LAT=	57.2
4 - 1976/ 62/ 10.00H	LAT= -53.4	14 - 1976/ 65/ 5.00H	LAT=	61.3
5 - 1976/ 62/ 13.00H	LAT= -53.9	15 - 1976/ 65/ 12.00H	LAT=	25.5
6 - 1976/ 62/ 17.00H	LAT= -51.5	16 - 1976/ 65/ 22.00H	LAT=	0.7
7 - 1976/ 62/ 22.00H	LAT= -44.2			
8 - 1976/ 63/ 5.00H	LAT= -29.2			
9 - 1976/ 63/ 12.00H	LAT= -11.3			
10 - 1976/ 64/ 0.00H	LAT= 31.7			

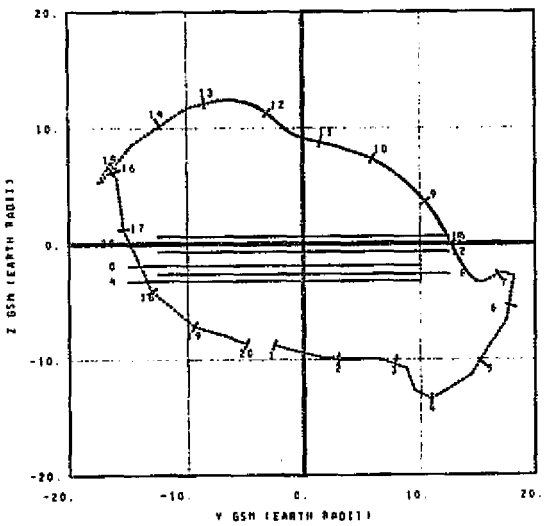
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 61/16.00H TO 1976/ 66/ 0.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 61/ 16.00H	R= 19.1RE	11 - 1976/ 64/ 0.00H	R= 17.9RE
2 - 1976/ 61/ 20.00H	R= 19.1RE	12 - 1976/ 64/ 8.00H	R= 17.8RE
3 - 1976/ 62/ 1.00H	R= 19.1RE	13 - 1976/ 64/ 14.00H	R= 17.9RE
4 - 1976/ 62/ 11.00H	R= 18.9RE	14 - 1976/ 64/ 17.00H	R= 18.0RE
5 - 1976/ 62/ 16.00H	R= 18.8RE	15 - 1976/ 64/ 21.00H	R= 18.1RE
6 - 1976/ 62/ 20.00H	R= 18.7RE	16 - 1976/ 65/ 10.00H	R= 18.5RE
7 - 1976/ 63/ 4.00H	R= 18.4RE	17 - 1976/ 65/ 18.00H	R= 18.7RE
8 - 1976/ 63/ 13.00H	R= 18.1RE	18 - 1976/ 65/ 19.00H	R= 18.8RE
9 - 1976/ 63/ 16.00H	R= 18.0RE	19 - 1976/ 65/ 23.00H	R= 18.9RE
10 - 1976/ 63/ 20.00H	R= 17.9RE	20 - 1976/ 66/ 7.00H	R= 19.1RE

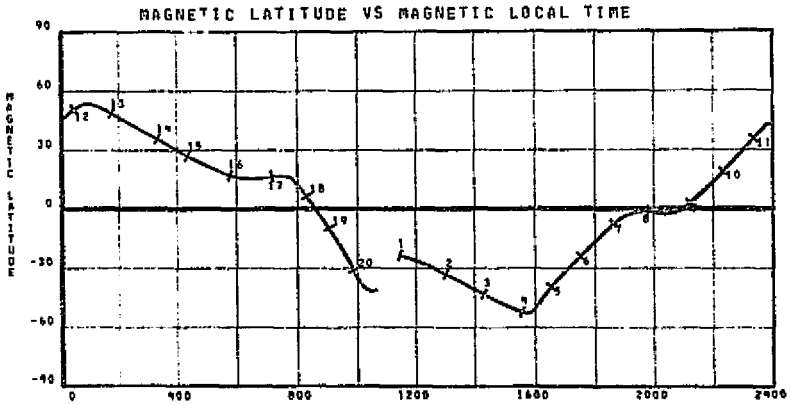
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 61/16.00H TO 1976/ 66/ 0.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

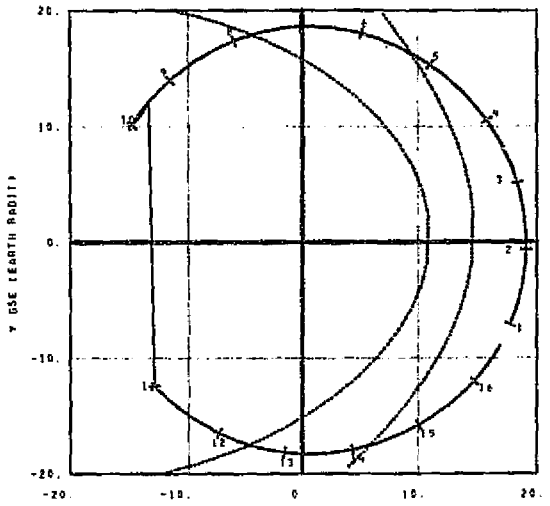
1 - 1976/ 61/ 16.00H	R= 19.1RE	9 - 1976/ 63/ 5.00H	R= 18.4RE	17 - 1976/ 64/ 19.00H	R= 19.0RE
2 - 1976/ 61/ 20.00H	R= 19.1RE	10 - 1976/ 63/ 14.00H	R= 18.1RE	18 - 1976/ 65/ 0.00H	R= 19.2RE
3 - 1976/ 62/ 1.00H	R= 19.1RE	11 - 1976/ 63/ 19.00H	R= 17.9RE	19 - 1976/ 65/ 6.00H	R= 18.4RE
4 - 1976/ 62/ 6.00H	R= 19.0RE	12 - 1976/ 63/ 23.00H	R= 17.9RE	20 - 1976/ 65/ 19.00H	R= 18.1RE
5 - 1976/ 62/ 14.00H	R= 18.9RE	13 - 1976/ 64/ 4.00H	R= 17.8RE	21 - 1976/ 65/ 19.00H	R= 18.3RE
6 - 1976/ 62/ 18.00H	R= 18.7RE	14 - 1976/ 64/ 11.00H	R= 17.9RE	22 - 1976/ 66/ 0.00H	R= 19.1RE
7 - 1976/ 62/ 23.00H	R= 18.6RE	15 - 1976/ 64/ 16.00H	R= 17.9RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 61/16.00H TO1976/ 66/ 0.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 66/ 3.00H	LAT= -23.5	11 - 1976/ 69/ 1.00H	LAT= 43.9
2 - 1976/ 66/ 16.00H	LAT= -49.6	12 - 1976/ 69/ 10.00H	LAT= 53.9
3 - 1976/ 66/ 21.00H	LAT= -46.9	13 - 1976/ 69/ 17.00H	LAT= 47.9
4 - 1976/ 67/ 1.00H	LAT= -52.9	14 - 1976/ 69/ 23.00H	LAT= 36.3
5 - 1976/ 67/ 5.00H	LAT= -53.8	15 - 1976/ 70/ 7.00H	LAT= 17.3
6 - 1976/ 67/ 9.00H	LAT= -51.1	16 - 1976/ 70/ 11.00H	LAT= -7.6
7 - 1976/ 67/ 13.00H	LAT= -45.9		
8 - 1976/ 67/ 20.00H	LAT= -30.8		
9 - 1976/ 68/ 3.00H	LAT= -10.9		
10 - 1976/ 68/ 19.00H	LAT= 30.1		

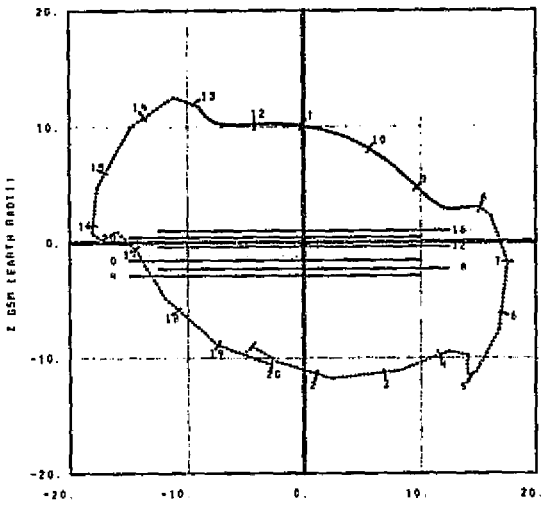
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 66/ 3.00H TO 1976/ 70/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 66/ 3.00H	R= 19.1RE	11 - 1976/ 68/ 19.00H	R= 17.8RE
2 - 1976/ 66/ 14.00H	R= 19.1RE	12 - 1976/ 68/ 22.00H	R= 17.8RE
3 - 1976/ 66/ 18.00H	R= 19.1RE	13 - 1976/ 69/ 7.00H	R= 17.9RE
4 - 1976/ 66/ 22.00H	R= 19.0RE	14 - 1976/ 69/ 14.00H	R= 18.1RE
5 - 1976/ 67/ 9.00H	R= 18.8RE	15 - 1976/ 69/ 18.00H	R= 18.2RE
6 - 1976/ 67/ 14.00H	R= 18.5RE	16 - 1976/ 69/ 22.00H	R= 18.4RE
7 - 1976/ 67/ 19.00H	R= 18.4RE	17 - 1976/ 70/ 11.00H	R= 18.8RE
8 - 1976/ 68/ 1.00H	R= 18.2RE	18 - 1976/ 70/ 14.00H	R= 19.0RE
9 - 1976/ 68/ 11.00H	R= 17.9RE	19 - 1976/ 70/ 19.00H	R= 19.0RE
10 - 1976/ 68/ 15.00H	R= 17.9RE	20 - 1976/ 70/ 23.00H	R= 19.1RE

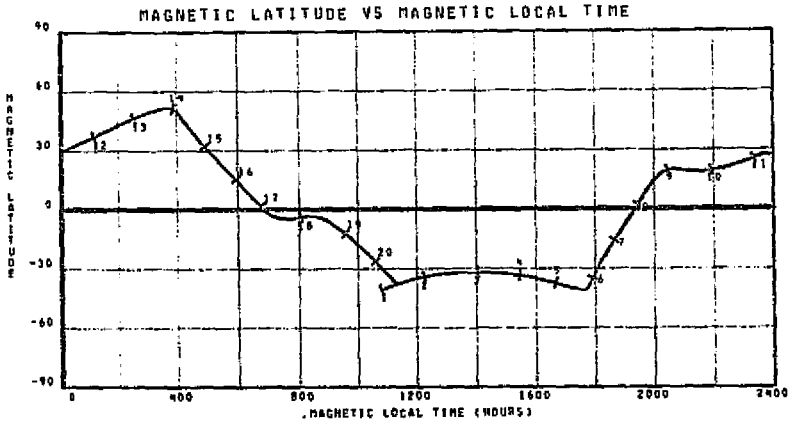
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 66/ 3.00H TO 1976/ 70/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

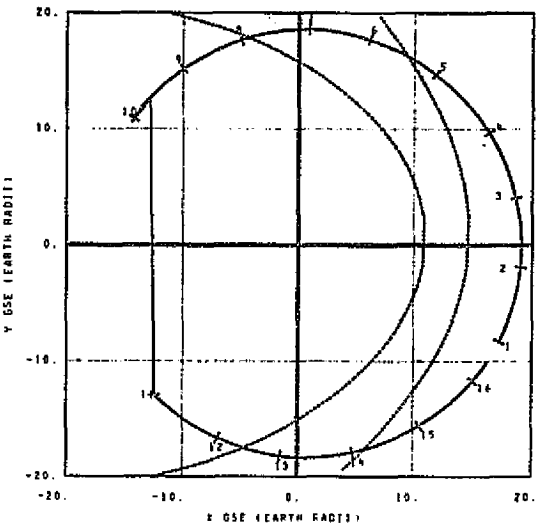
1 - 1976/ 66/ 8.00H	R= 19.1RE	8 - 1976/ 67/ 21.00H	R= 18.3RE	15 - 1976/ 69/ 15.00H	R= 18.1RE
2 - 1976/ 66/ 14.00H	R= 19.1RE	9 - 1976/ 68/ 4.00H	R= 18.1RE	16 - 1976/ 69/ 19.00H	R= 18.3RE
3 - 1976/ 66/ 19.00H	R= 19.1RE	10 - 1976/ 68/ 12.00H	R= 17.9RE	17 - 1976/ 69/ 23.00H	R= 18.4RE
4 - 1976/ 66/ 23.00H	R= 19.0RE	11 - 1976/ 68/ 17.00H	R= 17.8RE	18 - 1976/ 70/ 7.00H	R= 18.7RE
5 - 1976/ 67/ 3.00H	R= 18.9RE	12 - 1976/ 68/ 22.00H	R= 17.8RE	19 - 1976/ 70/ 16.00H	R= 19.0RE
6 - 1976/ 67/ 12.00H	R= 18.7RE	13 - 1976/ 69/ 2.00H	R= 17.9RE	20 - 1976/ 70/ 20.00H	R= 19.0RE
7 - 1976/ 67/ 17.00H	R= 18.5RE	14 - 1976/ 69/ 8.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 66/ 8.00H TO1976/ TO /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 71/ 0.00H	LAT= -29.0	11 - 1976/ 73/ 10.00H	LAT= 46.3		
2 - 1976/ 71/ 5.00H	LAT= -41.3	12 - 1976/ 74/ 3.00H	LAT= 53.7		
3 - 1976/ 71/ 13.00H	LAT= -49.3	13 - 1976/ 74/ 10.00H	LAT= 55.8		
4 - 1976/ 71/ 17.00H	LAT= -53.2	14 - 1976/ 74/ 17.00H	LAT= 51.2		
5 - 1976/ 71/ 21.00H	LAT= -53.7	15 - 1976/ 75/ 2.00H	LAT= 9.3		
6 - 1976/ 72/ 1.00H	LAT= -50.8	16 - 1976/ 75/ 12.00H	LAT= -15.4		
7 - 1976/ 72/ 5.00H	LAT= -45.0				
8 - 1976/ 72/ 12.00H	LAT= -30.2				
9 - 1976/ 72/ 19.00H	LAT= -12.9				
10 - 1976/ 73/ 6.00H	LAT= 17.4				

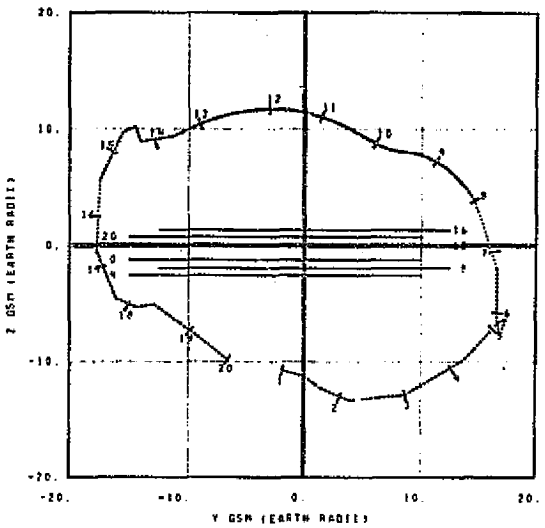
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 71/ 0.00H TO 1976/ 75/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 71/ 0.00H	R= 19.1RE	11 - 1976/ 73/ 13.00H	R= 17.8RE
2 - 1976/ 71/ 10.00H	R= 19.1RE	12 - 1976/ 73/ 16.00H	R= 17.3RE
3 - 1976/ 71/ 15.00H	R= 19.0RE	13 - 1976/ 73/ 20.00H	R= 17.1RE
4 - 1976/ 71/ 18.00H	R= 19.0RE	14 - 1976/ 74/ 0.00H	R= 16.8RE
5 - 1976/ 71/ 22.00H	R= 18.9RE	15 - 1976/ 74/ 13.00H	R= 18.4RE
6 - 1976/ 72/ 12.00H	R= 18.4RE	16 - 1976/ 74/ 17.00H	R= 19.5RE
7 - 1976/ 72/ 16.00H	R= 18.2RE	17 - 1976/ 74/ 20.00H	R= 18.6RE
8 - 1976/ 72/ 19.00H	R= 18.1RE	18 - 1976/ 75/ 1.00H	R= 18.1RE
9 - 1976/ 72/ 23.00H	R= 18.0RE	19 - 1976/ 75/ 12.00H	R= 19.0RE
10 - 1976/ 73/ 6.00H	R= 17.8RE	20 - 1976/ 75/ 15.00H	R= 19.1RE

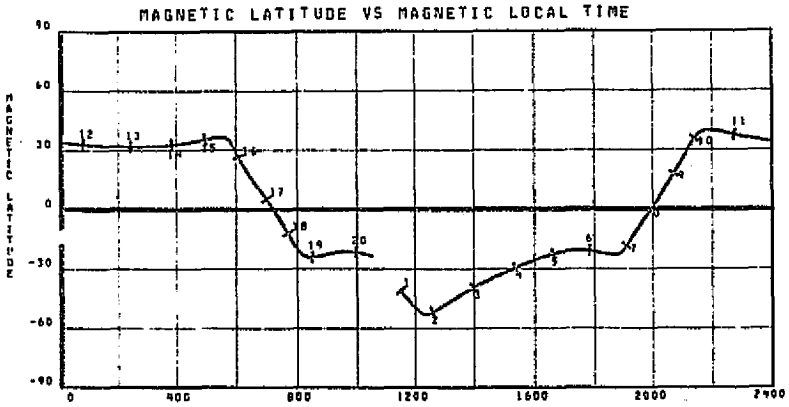
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 71/ 0.00H TO 1976/ 75/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

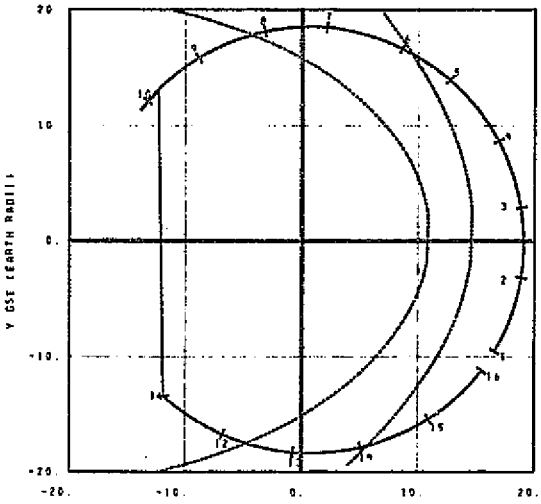
1 - 1976/ 71/ 0.00H	R= 19.1RE	8 - 1976/ 72/ 17.00H	R= 18.2RE	15 - 1976/ 74/ 4.00H	R= 18.1RE
2 - 1976/ 71/ 5.00H	R= 19.1RE	9 - 1976/ 72/ 21.00H	R= 18.1RE	16 - 1976/ 74/ 13.00H	R= 18.4RE
3 - 1976/ 71/ 10.00H	R= 19.0RE	10 - 1976/ 73/ 2.00H	R= 17.9RE	17 - 1976/ 74/ 16.00H	R= 18.9RE
4 - 1976/ 71/ 15.00H	R= 19.0RE	11 - 1976/ 73/ 10.00H	R= 17.8RE	18 - 1976/ 74/ 22.00H	R= 18.7RE
5 - 1976/ 71/ 22.00H	R= 18.9RE	12 - 1976/ 73/ 16.00H	R= 17.8RE	19 - 1976/ 75/ 5.00H	R= 18.7RE
6 - 1976/ 72/ 3.00H	R= 18.7RE	13 - 1976/ 73/ 20.00H	R= 17.9RE	20 - 1976/ 75/ 13.00H	R= 19.0RE
7 - 1976/ 72/ 12.00H	R= 18.4RE	14 - 1976/ 74/ 0.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 71/ 0.00H TO1976/ 75/16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 75/ 16.00H	LAT= -24.8	11 - 1976/ 78/ 11.00H	LAT= 48.4
2 - 1976/ 76/ 0.00H	LAT= -41.6	12 - 1976/ 78/ 20.00H	LAT= 52.9
3 - 1976/ 76/ 5.00H	LAT= -49.6	13 - 1976/ 79/ 4.00H	LAT= 41.3
4 - 1976/ 76/ 9.00H	LAT= -53.2	14 - 1976/ 79/ 11.00H	LAT= 25.5
5 - 1976/ 76/ 13.00H	LAT= -53.5	15 - 1976/ 79/ 21.00H	LAT= 0.8
6 - 1976/ 76/ 16.00H	LAT= -51.5	16 - 1976/ 80/ 7.00H	LAT= -23.4
7 - 1976/ 76/ 21.00H	LAT= -44.9		
8 - 1976/ 77/ 3.00H	LAT= -31.9		
9 - 1976/ 77/ 11.00H	LAT= -11.6		
10 - 1976/ 77/ 21.00H	LAT= 15.4		

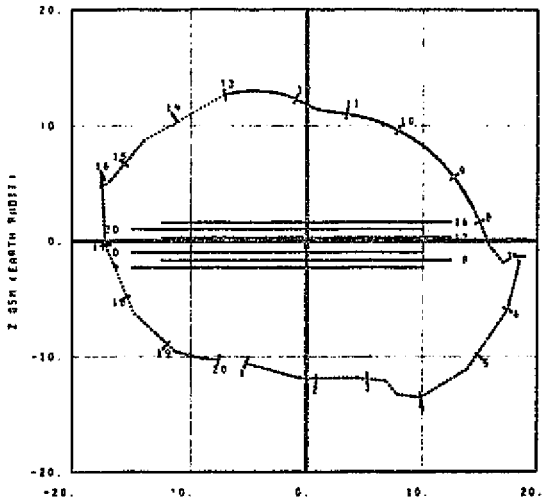
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 75/16.00H TO 1976/ 80/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 75/ 16.00H	R= 19.1RE	11 - 1976/ 78/ 0.00H	R= 17.8RE
2 - 1976/ 75/ 20.00H	R= 19.1RE	12 - 1976/ 78/ 8.00H	R= 17.6RE
3 - 1976/ 76/ 0.00H	R= 19.1RE	13 - 1976/ 78/ 14.00H	R= 17.9RE
4 - 1976/ 76/ 11.00H	R= 18.9RE	14 - 1976/ 78/ 17.00H	R= 18.0RE
5 - 1976/ 76/ 16.00H	R= 18.8RE	15 - 1976/ 78/ 21.00H	R= 18.1RE
6 - 1976/ 76/ 19.00H	R= 18.7RE	16 - 1976/ 79/ 3.00H	R= 18.3RE
7 - 1976/ 77/ 0.00H	R= 18.5RE	17 - 1976/ 79/ 15.00H	R= 18.7RE
8 - 1976/ 77/ 13.00H	R= 18.1RE	18 - 1976/ 79/ 18.00H	R= 18.8RE
9 - 1976/ 77/ 16.00H	R= 18.0RE	19 - 1976/ 79/ 22.00H	R= 18.9RE
10 - 1976/ 77/ 20.00H	R= 17.9RE	20 - 1976/ 80/ 7.00H	R= 19.1RE

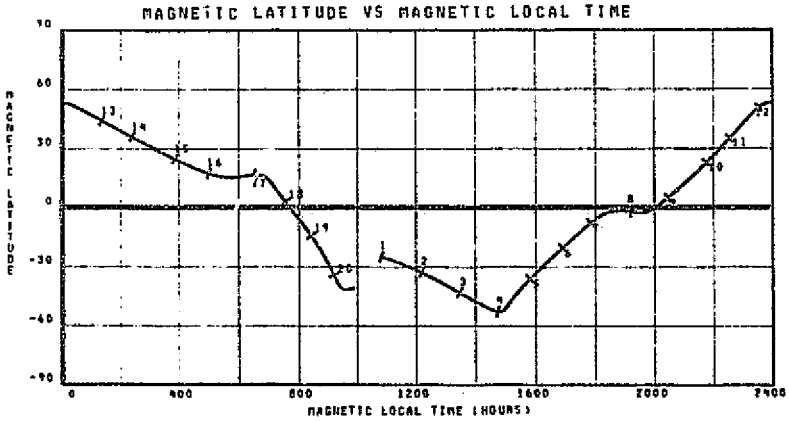
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 75/16.00H TO 1976/ 80/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

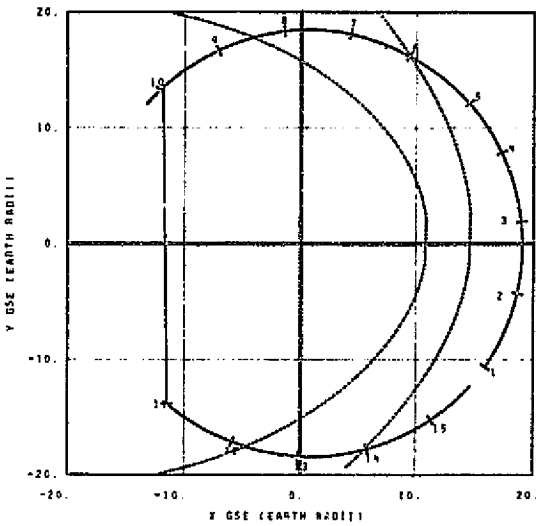
1 - 1976/ 75/ 16.00H	R= 19.1RE	8 - 1976/ 77/ 6.00H	R= 18.3RE	15 - 1976/ 78/ 19.00H	R= 18.0RE
2 - 1976/ 75/ 20.00H	R= 19.1RE	9 - 1976/ 77/ 14.00H	R= 18.0RE	16 - 1976/ 79/ 23.00H	R= 18.1RE
3 - 1976/ 76/ 0.00H	R= 19.1RE	10 - 1976/ 77/ 19.00H	R= 17.9RE	17 - 1976/ 79/ 1.00H	R= 18.0RE
4 - 1976/ 76/ 6.00H	R= 19.0RE	11 - 1976/ 77/ 22.00H	R= 17.9RE	18 - 1976/ 79/ 15.00H	R= 18.7RE
5 - 1976/ 76/ 15.00H	R= 18.8RE	12 - 1976/ 78/ 3.00H	R= 17.8RE	19 - 1976/ 79/ 19.00H	R= 18.8RE
6 - 1976/ 76/ 18.00H	R= 18.7RE	13 - 1976/ 78/ 12.00H	R= 17.9RE	20 - 1976/ 80/ 8.00H	R= 19.0RE
7 - 1976/ 76/ 22.00H	R= 18.6RE	14 - 1976/ 78/ 15.00H	R= 17.9RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 75 /16.00H TO1976/ 80 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 80/ 8.00H	LAT= -25.7	11 - 1976/ 83/ 9.00H	LAT= 50.3
2 - 1976/ 80/ 16.00H	LAT= -42.9	12 - 1976/ 83/ 14.00H	LAT= 50.6
3 - 1976/ 80/ 21.00H	LAT= -50.0	13 - 1976/ 83/ 22.00H	LAT= 38.4
4 - 1976/ 81/ 1.00H	LAT= -53.4	14 - 1976/ 84/ 6.00H	LAT= 17.5
5 - 1976/ 81/ 9.00H	LAT= -53.7	15 - 1976/ 84/ 16.00H	LAT= -7.4
6 - 1976/ 81/ 8.00H	LAT= -51.0		
7 - 1976/ 81/ 12.00H	LAT= -45.4		
8 - 1976/ 81/ 16.00H	LAT= -33.2		
9 - 1976/ 82/ 2.00H	LAT= -13.2		
10 - 1976/ 82/ 12.00H	LAT= 14.0		

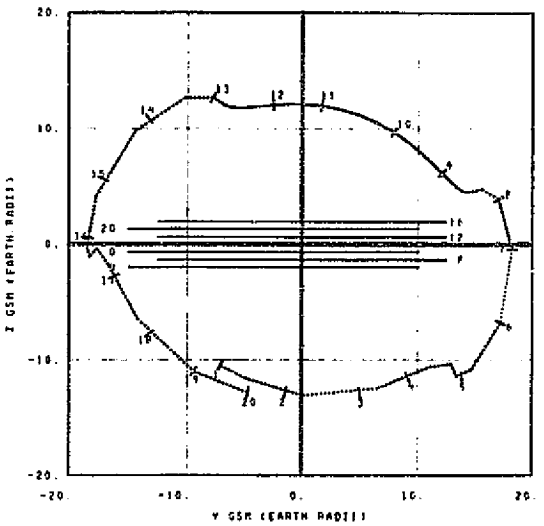
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 80/ 8.00H TO 1976/ 84/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 80/ 8.00H	R= 19.1RE	11 - 1976/ 82/ 19.00H	R= 17.8RE
2 - 1976/ 80/ 14.00H	R= 19.1RE	12 - 1976/ 82/ 22.00H	R= 17.8RE
3 - 1976/ 80/ 16.00H	R= 19.1RE	13 - 1976/ 83/ 7.00H	R= 18.0RE
4 - 1976/ 80/ 21.00H	R= 19.0RE	14 - 1976/ 83/ 14.00H	R= 18.1RE
5 - 1976/ 81/ 9.00H	R= 18.7RE	15 - 1976/ 83/ 18.00H	R= 18.3RE
6 - 1976/ 81/ 15.00H	R= 18.5RE	16 - 1976/ 83/ 22.00H	R= 18.4RE
7 - 1976/ 81/ 19.00H	R= 18.4RE	17 - 1976/ 84/ 12.00H	R= 18.1RE
8 - 1976/ 81/ 23.00H	R= 18.2RE	18 - 1976/ 84/ 16.00H	R= 19.0RE
9 - 1976/ 82/ 11.00H	R= 17.9RE	19 - 1976/ 84/ 19.00H	R= 19.0RE
10 - 1976/ 82/ 15.00H	R= 17.9RE	20 - 1976/ 84/ 23.00H	R= 19.1RE

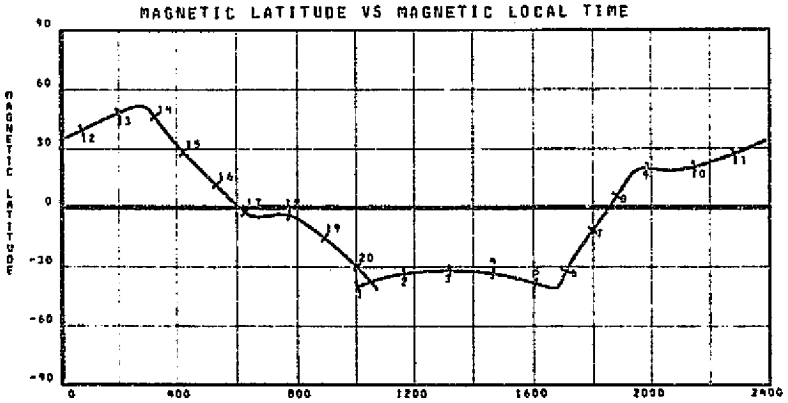
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 80/ 8.00H TO 1976/ 84/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

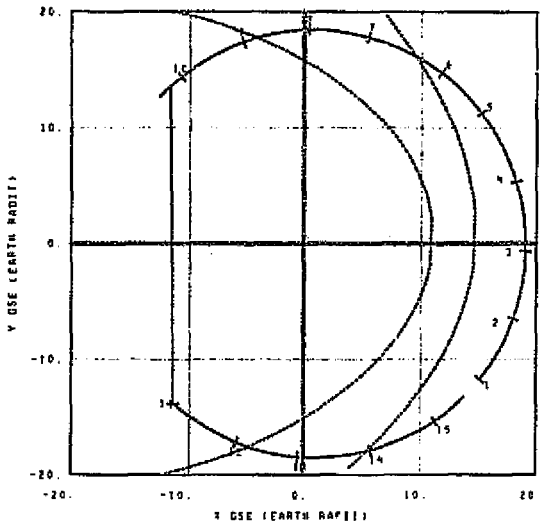
1 - 1976/ 80/ 8.00H	R= 19.1RE	8 - 1976/ 81/ 21.00H	R= 18.3RE	15 - 1976/ 83/ 15.00H	R= 18.2RE
2 - 1976/ 80/ 14.00H	R= 19.1RE	9 - 1976/ 82/ 5.00H	R= 18.1RE	16 - 1976/ 83/ 19.00H	R= 18.3RE
3 - 1976/ 80/ 16.00H	R= 19.1RE	10 - 1976/ 82/ 15.00H	R= 17.9RE	17 - 1976/ 84/ 0.00H	R= 18.5RE
4 - 1976/ 80/ 22.00H	R= 19.0RE	11 - 1976/ 82/ 17.00H	R= 17.9RE	18 - 1976/ 84/ 10.00H	R= 18.6RE
5 - 1976/ 81/ 3.00H	R= 18.7RE	12 - 1976/ 82/ 22.00H	R= 17.8RE	19 - 1976/ 84/ 16.00H	R= 19.0RE
6 - 1976/ 81/ 13.00H	R= 18.6RE	13 - 1976/ 83/ 2.00H	R= 17.9RE	20 - 1976/ 84/ 20.00H	R= 19.0RE
7 - 1976/ 81/ 17.00H	R= 18.5RE	14 - 1976/ 83/ 10.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 80 / 8.00H TO1976/ 84 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 85/ 0.00H	LAT= -26.4	11 - 1976/ 87/ 20.00H	LAT= 50.6
2 - 1976/ 85/ 7.00H	LAT= -41.1	12 - 1976/ 88/ 7.00H	LAT= 39.0
3 - 1976/ 85/ 12.00H	LAT= -49.2	13 - 1976/ 88/ 15.00H	LAT= 33.5
4 - 1976/ 85/ 16.00H	LAT= -53.0	14 - 1976/ 89/ 0.00H	LAT= 11.7
5 - 1976/ 85/ 20.00H	LAT= -53.6	15 - 1976/ 89/ 10.00H	LAT= -13.0
6 - 1976/ 85/ 23.00H	LAT= -51.8		
7 - 1976/ 86/ 4.00H	LAT= -45.0		
8 - 1976/ 86/ 9.00H	LAT= -34.9		
9 - 1976/ 86/ 17.00H	LAT= -15.2		
10 - 1976/ 87/ 3.00H	LAT= 11.9		

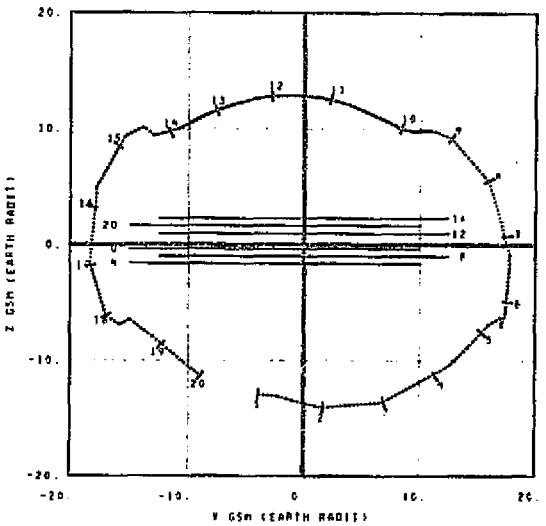
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 85/ 0.00H TO 1976/ 89/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 85/ 0.00H	R= 19.1RE	11 - 1976/ 87/ 14.00H	R= 17.8RE
2 - 1976/ 85/ 11.00H	R= 19.1RE	12 - 1976/ 87/ 17.00H	R= 17.6RE
3 - 1976/ 85/ 15.00H	R= 19.0RE	13 - 1976/ 87/ 20.00H	R= 17.9RE
4 - 1976/ 85/ 18.00H	R= 18.9RE	14 - 1976/ 88/ 0.00H	R= 18.0RE
5 - 1976/ 85/ 22.00H	R= 18.8RE	15 - 1976/ 88/ 12.00H	R= 18.3RE
6 - 1976/ 86/ 12.00H	R= 18.4RE	16 - 1976/ 88/ 16.00H	R= 18.5RE
7 - 1976/ 86/ 16.00H	R= 18.2RE	17 - 1976/ 88/ 19.00H	R= 18.4RE
8 - 1976/ 86/ 19.00H	R= 18.1RE	18 - 1976/ 88/ 23.00H	R= 18.7RE
9 - 1976/ 86/ 23.00H	R= 18.0RE	19 - 1976/ 89/ 12.00H	R= 19.6RE
10 - 1976/ 87/ 8.00H	R= 17.8RE	20 - 1976/ 89/ 15.00H	R= 19.1RE

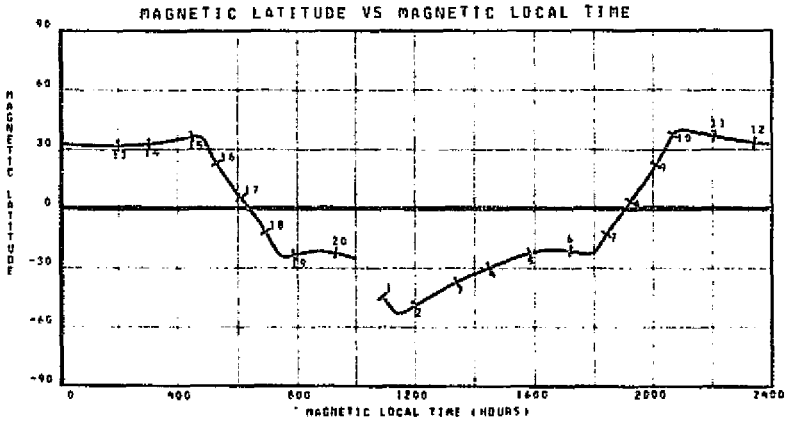
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 85/ 0.00H TO 1976/ 89/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 85/ 0.00H	R= 19.1RE	8 - 1976/ 86/ 17.00H	R= 18.2RE	15 - 1976/ 88/ 5.00H	R= 18.1RE
2 - 1976/ 85/ 9.00H	R= 19.1RE	9 - 1976/ 86/ 21.00H	R= 18.1RE	16 - 1976/ 88/ 13.00H	R= 18.4RE
3 - 1976/ 85/ 14.00H	R= 19.0RE	10 - 1976/ 87/ 4.00H	R= 17.9RE	17 - 1976/ 88/ 17.00H	R= 18.5RE
4 - 1976/ 85/ 17.00H	R= 19.0RE	11 - 1976/ 87/ 10.00H	R= 17.8RE	18 - 1976/ 88/ 21.00H	R= 18.7RE
5 - 1976/ 85/ 21.00H	R= 18.9RE	12 - 1976/ 87/ 14.00H	R= 17.8RE	19 - 1976/ 89/ 6.00H	R= 18.9RE
6 - 1976/ 86/ 3.00H	R= 18.7RE	13 - 1976/ 87/ 20.00H	R= 17.9RE	20 - 1976/ 89/ 15.00H	R= 19.0RE
7 - 1976/ 86/ 13.00H	R= 18.3RE	14 - 1976/ 87/ 23.00H	R= 17.9RE		

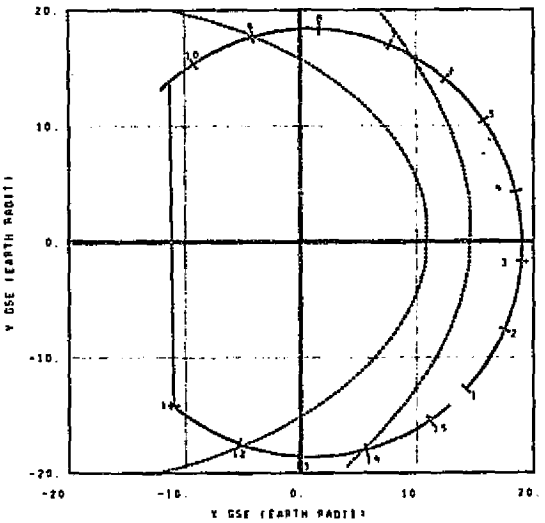
TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 85 / 0.00H TO1976/ 89 /16.00H

ORIGINAL PAGE IS
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 89/ 16.00H	LAT= -27.1	11 - 1976/ 92/ 13.00H	LAT= 52.0		
2 - 1976/ 89/ 23.00H	LAT= -41.6	12 - 1976/ 93/ 1.00H	LAT= 45.1		
3 - 1976/ 90/ 9.00H	LAT= -49.5	13 - 1976/ 93/ 9.00H	LAT= 27.9		
4 - 1976/ 90/ 8.00H	LAT= -53.1	14 - 1976/ 93/ 18.00H	LAT= 9.8		
5 - 1976/ 90/ 12.00H	LAT= -53.4	15 - 1976/ 94/ 9.00H	LAT= -15.6		
6 - 1976/ 90/ 15.00H	LAT= -51.9				
7 - 1976/ 90/ 19.00H	LAT= -46.0				
8 - 1976/ 91/ 1.00H	LAT= -34.1				
9 - 1976/ 91/ 9.00H	LAT= -19.3				
10 - 1976/ 91/ 18.00H	LAT= 10.1				

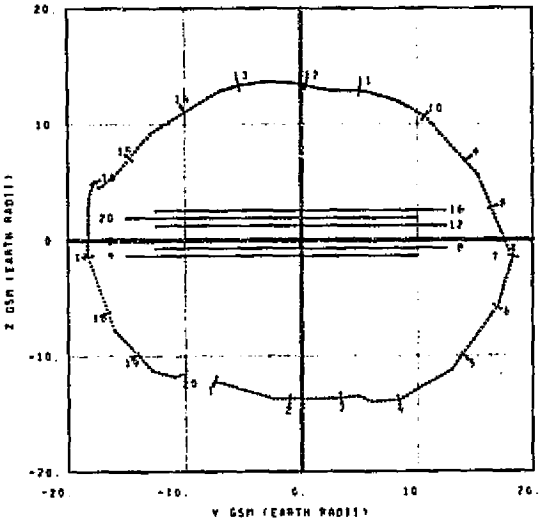
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 89/16.00H TO 1976/ 94/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 89/ 16.00H	R= 19.1RE	11 - 1976/ 92/ 6.00H	R= 17.6RE
2 - 1976/ 89/ 20.00H	R= 19.1RE	12 - 1976/ 92/ 9.00H	R= 17.6RE
3 - 1976/ 90/ 0.00H	R= 19.1RE	13 - 1976/ 92/ 14.00H	R= 17.9RE
4 - 1976/ 90/ 11.00H	R= 18.9RE	14 - 1976/ 92/ 17.00H	R= 18.3RE
5 - 1976/ 90/ 16.00H	R= 18.8RE	15 - 1976/ 92/ 21.00H	R= 18.1RE
6 - 1976/ 90/ 19.00H	R= 18.7RE	16 - 1976/ 93/ 6.00H	R= 18.4RE
7 - 1976/ 90/ 23.00H	R= 18.5RE	17 - 1976/ 93/ 15.00H	R= 18.7RE
8 - 1976/ 91/ 13.00H	R= 18.0RE	18 - 1976/ 93/ 18.00H	R= 18.8RE
9 - 1976/ 91/ 16.00H	R= 18.0RE	19 - 1976/ 93/ 21.00H	R= 18.9RE
10 - 1976/ 91/ 19.00H	R= 17.9RE	20 - 1976/ 94/ 7.00H	R= 19.1RE

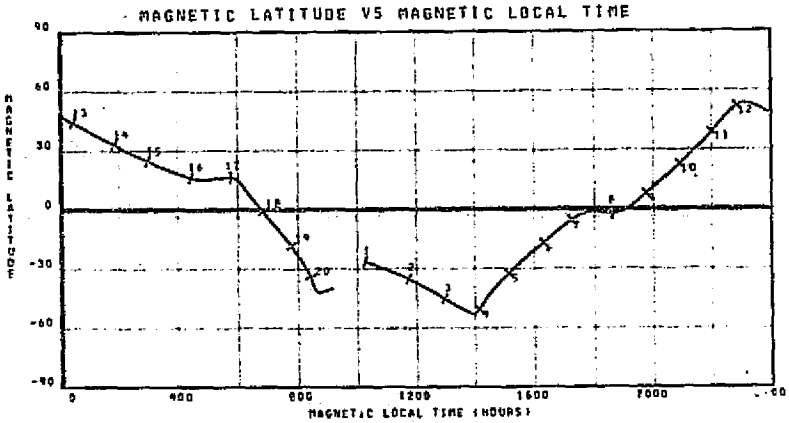
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 89/16.00H TO 1976/ 94/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 89/ 16.00H	R= 19.1RE	8 - 1976/ 91/ 7.00H	R= 18.2RE
2 - 1976/ 89/ 20.00H	R= 19.1RE	9 - 1976/ 91/ 14.00H	R= 18.0RE
3 - 1976/ 90/ 0.00H	R= 19.1RE	10 - 1976/ 91/ 18.00H	R= 17.9RE
4 - 1976/ 90/ 8.00H	R= 19.0RE	11 - 1976/ 91/ 22.00H	R= 17.9RE
5 - 1976/ 90/ 14.00H	R= 18.8RE	12 - 1976/ 92/ 3.00H	R= 17.8RE
6 - 1976/ 90/ 18.00H	R= 18.7RE	13 - 1976/ 92/ 11.00H	R= 17.9RE
7 - 1976/ 90/ 22.00H	R= 18.4RE	14 - 1976/ 92/ 15.00H	R= 17.9RE

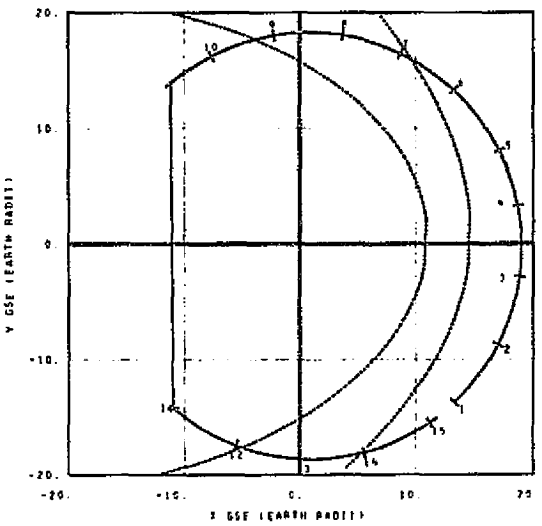
15 - 1976/ 92/ 18.00H	R= 18.0RE		
16 - 1976/ 92/ 23.00H	R= 18.2RE		
17 - 1976/ 93/ 7.00H	R= 18.5RE		
18 - 1976/ 93/ 15.00H	R= 18.7RE		
19 - 1976/ 93/ 19.00H	R= 18.9RE		
20 - 1976/ 93/ 23.00H	R= 19.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 89/16.00H TO1976/ 94/ 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 94/ 8.00H	LAT= -27.8	11 - 1976/ 97/ 5.00H	LAT= 52.4		
2 - 1976/ 94/ 14.00H	LAT= -42.2	12 - 1976/ 97/ 12.00H	LAT= 42.6		
3 - 1976/ 94/ 20.00H	LAT= -49.8	13 - 1976/ 98/ 3.00H	LAT= 22.3		
4 - 1976/ 95/ 0.00H	LAT= -53.2	14 - 1976/ 98/ 12.00H	LAT= -0.6		
5 - 1976/ 95/ 3.00H	LAT= -53.6	15 - 1976/ 98/ 22.00H	LAT= -29.1		
6 - 1976/ 95/ 7.00H	LAT= -51.0				
7 - 1976/ 95/ 11.00H	LAT= -45.4				
8 - 1976/ 95/ 16.00H	LAT= -25.6				
9 - 1976/ 96/ 0.00H	LAT= -16.6				
10 - 1976/ 96/ 9.00H	LAT= 8.4				

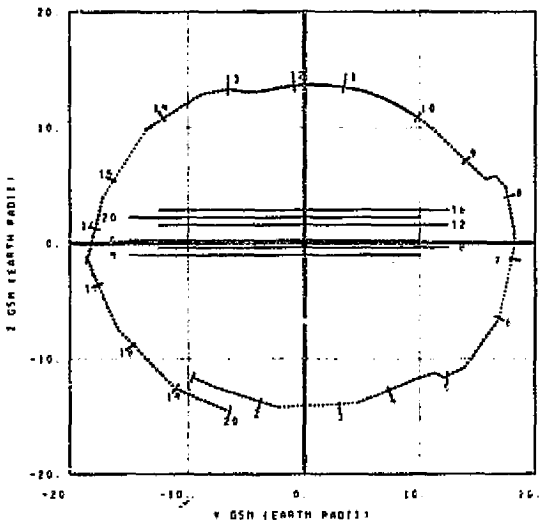
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 94/ 8.00H TO 1976/ 98/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 94/ 8.00H	R= 19.1RE	11 - 1976/ 96/ 19.00H	R= 17.6RE
2 - 1976/ 94/ 14.00H	R= 19.1RE	12 - 1976/ 96/ 22.00H	R= 17.3RE
3 - 1976/ 94/ 18.00H	R= 19.1RE	13 - 1976/ 97/ 0.00H	R= 18.0RE
4 - 1976/ 94/ 21.00H	R= 19.3RE	14 - 1976/ 97/ 14.00H	R= 18.2RE
5 - 1976/ 95/ 0.00H	R= 19.7RE	15 - 1976/ 97/ 19.00H	R= 18.3RE
6 - 1976/ 95/ 15.00H	R= 18.5RE	16 - 1976/ 97/ 21.00H	R= 18.4RE
7 - 1976/ 95/ 18.00H	R= 18.9RE	17 - 1976/ 98/ 12.00H	R= 18.4RE
8 - 1976/ 95/ 22.00H	R= 18.2RE	18 - 1976/ 98/ 16.00H	R= 19.0RE
9 - 1976/ 96/ 11.00H	R= 17.9RE	19 - 1976/ 98/ 19.00H	R= 19.0RE
10 - 1976/ 96/ 15.00H	R= 17.8RE	20 - 1976/ 98/ 23.00H	R= 19.1RE

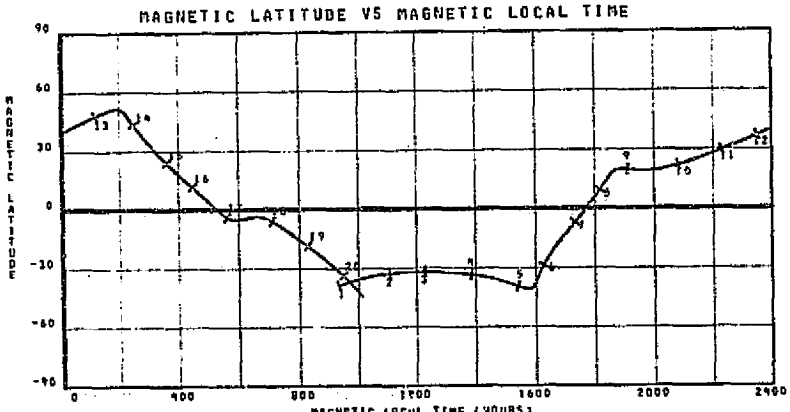
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 94/ 8.00H TO 1976/ 98/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

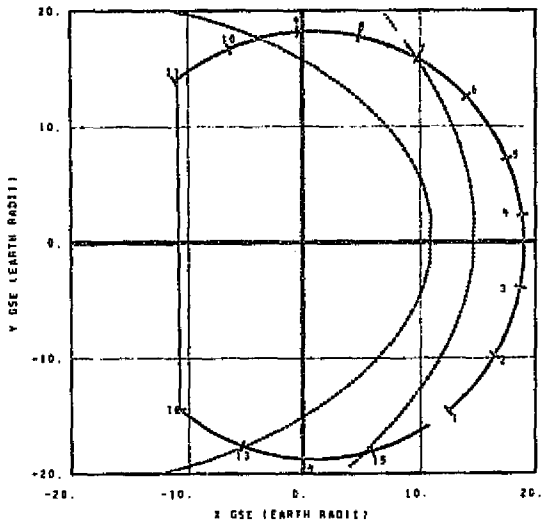
1 - 1976/ 94/ 8.00H	R= 19.1RE	8 - 1976/ 95/ 21.00H	R= 18.3RE
2 - 1976/ 94/ 14.00H	R= 19.1RE	9 - 1976/ 96/ 5.00H	R= 18.0RE
3 - 1976/ 94/ 17.00H	R= 19.1RE	10 - 1976/ 96/ 13.00H	R= 17.9RE
4 - 1976/ 94/ 21.00H	R= 19.3RE	11 - 1976/ 96/ 17.00H	R= 17.8RE
5 - 1976/ 95/ 3.00H	R= 19.7RE	12 - 1976/ 96/ 20.00H	R= 17.8RE
6 - 1976/ 95/ 12.00H	R= 18.6RE	13 - 1976/ 97/ 1.00H	R= 17.9RE
7 - 1976/ 95/ 17.00H	R= 18.9RE	14 - 1976/ 97/ 10.00H	R= 18.0RE
15 - 1976/ 97/ 15.00H	R= 18.2RE		
16 - 1976/ 97/ 18.00H	R= 18.3RE		
17 - 1976/ 98/ 0.00H	R= 18.3RE		
18 - 1976/ 98/ 11.00H	R= 18.4RE		
19 - 1976/ 98/ 16.00H	R= 19.0RE		
20 - 1976/ 98/ 20.00H	R= 19.1RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 94/ 8.00H TO1976/ 98/24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 99/ 0.00H	LAT= -28.6	11 - 1976/101/ 14.00H	LAT= 46.0
2 - 1976/ 99/ 7.00H	LAT= -42.8	12 - 1976/101/ 22.00H	LAT= 53.2
3 - 1976/ 99/ 12.00H	LAT= -50.3	13 - 1976/102/ 12.00H	LAT= 37.9
4 - 1976/ 99/ 16.00H	LAT= -53.4	14 - 1976/102/ 21.00H	LAT= 16.7
5 - 1976/ 99/ 19.00H	LAT= -53.6	15 - 1976/103/ 7.00H	LAT= -8.0
6 - 1976/ 99/ 23.00H	LAT= -50.7		
7 - 1976/100/ 3.00H	LAT= -45.0		
8 - 1976/100/ 8.00H	LAT= -34.9		
9 - 1976/100/ 15.00H	LAT= -17.9		
10 - 1976/101/ 1.00H	LAT= 9.2		

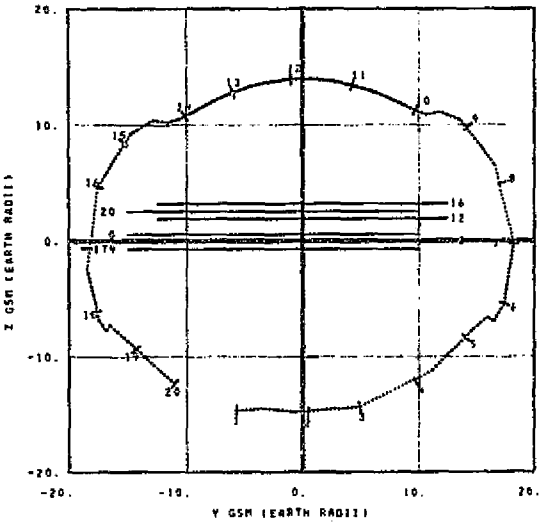
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 99/ 0.00H TO 1976/103/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 99/ 0.00H	R= 19.1RE	11 - 1976/101/ 14.00H	R= 17.8RE
2 - 1976/ 99/ 12.00H	R= 14.0RE	12 - 1976/101/ 17.00H	R= 17.5RE
3 - 1976/ 99/ 15.00H	R= 19.0RE	13 - 1976/101/ 20.00H	R= 17.9RE
4 - 1976/ 99/ 18.00H	R= 18.9RE	14 - 1976/102/ 0.00H	R= 18.0RE
5 - 1976/ 99/ 22.00H	R= 18.5RE	15 - 1976/102/ 12.00H	R= 14.4RE
6 - 1976/100/ 11.00H	R= 18.3RE	16 - 1976/102/ 15.00H	R= 18.5RE
7 - 1976/100/ 15.00H	R= 18.2RE	17 - 1976/102/ 18.00H	R= 18.6RE
8 - 1976/100/ 18.00H	R= 18.1RE	18 - 1976/102/ 22.00H	R= 18.7RE
9 - 1976/100/ 22.00H	R= 18.0RE	19 - 1976/103/ 12.00H	R= 19.1RE
10 - 1976/101/ 9.00H	R= 17.8RE	20 - 1976/103/ 15.00H	R= 19.1RE

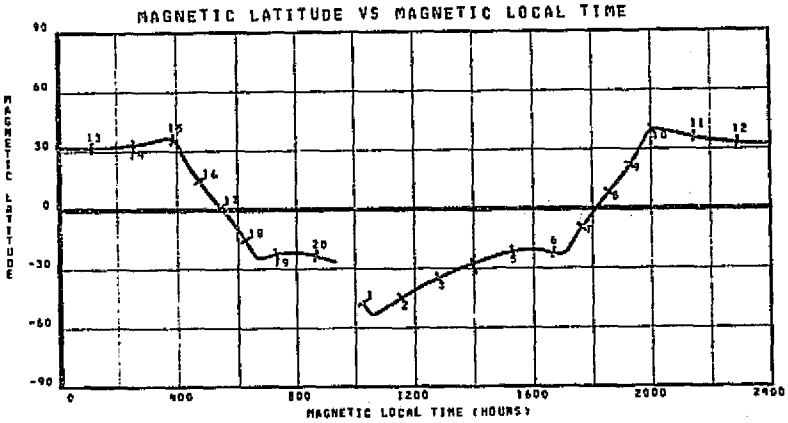
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 99/ 0.00H TO 1976/103/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

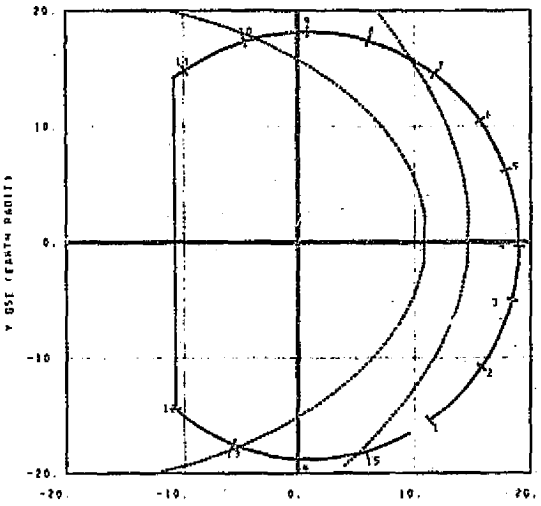
1 - 1976/ 99/ 0.00H	R= 19.1RE	8 - 1976/100/ 17.00H	R= 18.1RE	15 - 1976/102/ 6.00H	R= 18.3RE
2 - 1976/ 99/ 10.00H	R= 17.5RE	9 - 1976/100/ 20.00H	R= 18.0RE	16 - 1976/102/ 19.00H	R= 18.5RE
3 - 1976/ 99/ 14.00H	R= 19.0RE	10 - 1976/101/ 3.00H	R= 17.9RE	17 - 1976/102/ 17.00H	R= 18.6RE
4 - 1976/ 99/ 17.00H	R= 18.9RE	11 - 1976/101/ 10.00H	R= 17.8RE	18 - 1976/102/ 21.00H	R= 18.7RE
5 - 1976/ 99/ 21.00H	R= 18.6RE	12 - 1976/101/ 14.00H	R= 17.8RE	19 - 1976/103/ 7.00H	R= 19.0RE
6 - 1976/100/ 0.00H	R= 18.4RE	13 - 1976/101/ 19.00H	R= 17.9RE	20 - 1976/103/ 13.00H	R= 19.1RE
7 - 1976/100/ 13.00H	R= 18.2RE	14 - 1976/101/ 23.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 99 / 0.00H TO1976/103 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/103/	16.00H	LAT= -29.1	11 - 1976/106/	4.00H	LAT=	38.3
2 - 1976/103/	23.00H	LAT= -43.2	12 - 1976/106/	14.00H	LAT=	53.1
3 - 1976/104/	9.00H	LAT= -50.5	13 - 1976/107/	5.00H	LAT=	39.9
4 - 1976/104/	7.00H	LAT= -53.0	14 - 1976/107/	15.00H	LAT=	10.6
5 - 1976/104/	11.00H	LAT= -53.4	15 - 1976/108/	1.00H	LAT=	-13.9
6 - 1976/104/	14.00H	LAT= -51.4				
7 - 1976/104/	18.00H	LAT= -46.0				
8 - 1976/105/	0.00H	LAT= -39.2				
9 - 1976/105/	7.00H	LAT= -17.0				
10 - 1976/105/	16.00H	LAT= 7.2				

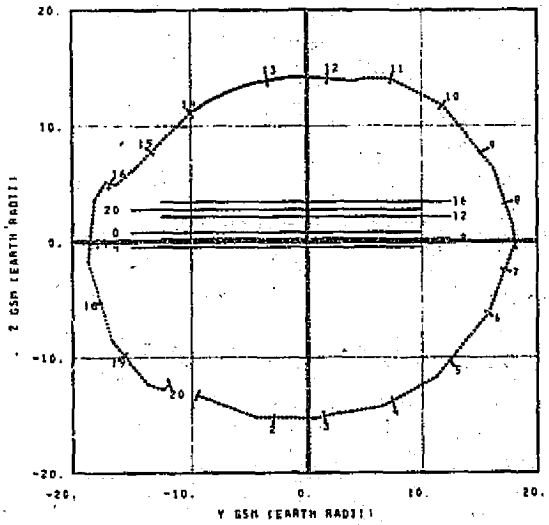
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/103/16.00H TO 1976/108/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/103/	16.00H	R= 19.1RE	11 - 1976/105/	23.00H	R= 17.1RE
2 - 1976/103/	20.00H	R= 19.1RE	12 - 1976/106/	10.00H	R= 17.9RE
3 - 1976/104/	0.00H	R= 19.1RE	13 - 1976/106/	14.00H	R= 17.5RE
4 - 1976/104/	12.00H	R= 18.8RE	14 - 1976/106/	18.00H	R= 18.0RE
5 - 1976/104/	16.00H	R= 18.7RE	15 - 1976/106/	21.00H	R= 18.1RE
6 - 1976/104/	19.00H	R= 18.6RE	16 - 1976/107/	5.00H	R= 18.4RE
7 - 1976/104/	22.00H	R= 18.5RE	17 - 1976/107/	19.00H	R= 18.7RE
8 - 1976/105/	13.00H	R= 19.0RE	18 - 1976/107/	17.00H	R= 18.6RE
9 - 1976/105/	16.00H	R= 17.9RE	19 - 1976/107/	20.00H	R= 18.4RE
10 - 1976/105/	19.00H	R= 17.9RE	20 - 1976/108/	1.00H	R= 19.1RE

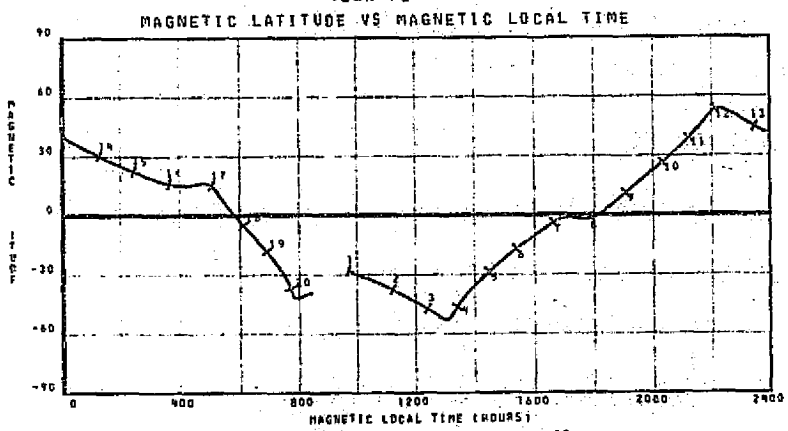
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/103/16.00H TO 1976/108/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

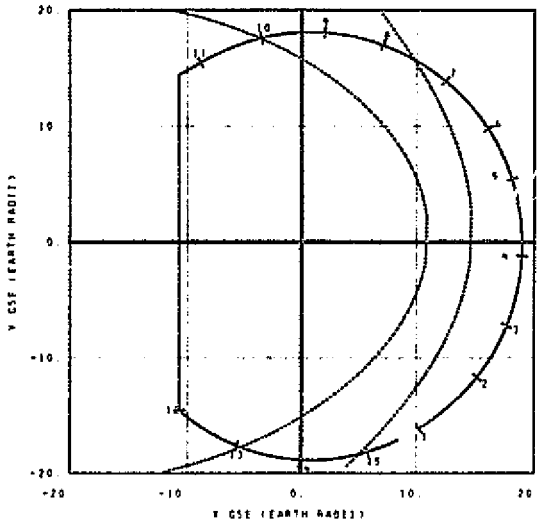
1 - 1976/103/	16.00H	R= 19.1RE	8 - 1976/105/	8.00H	R= 18.2RE	15 - 1976/106/	18.00H	R= 18.0RE
2 - 1976/103/	20.00H	R= 19.1RE	9 - 1976/105/	16.00H	R= 18.0RE	16 - 1976/106/	22.00H	R= 18.2RE
3 - 1976/104/	0.00H	R= 19.1RE	10 - 1976/107/	18.00H	R= 17.9RE	17 - 1976/107/	0.00H	R= 18.5RE
4 - 1976/104/	9.00H	R= 18.9RE	11 - 1976/105/	21.00H	R= 17.8RE	18 - 1976/107/	15.00H	R= 18.6RE
5 - 1976/104/	19.00H	R= 18.8RE	12 - 1976/106/	3.00H	R= 17.8RE	19 - 1976/107/	18.00H	R= 18.5RE
6 - 1976/104/	17.00H	R= 18.7RE	13 - 1976/106/	10.00H	R= 17.9RE	20 - 1976/107/	23.00H	R= 19.0RE
7 - 1976/104/	22.00H	R= 18.5RE	14 - 1976/106/	15.00H	R= 18.0RE			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/103 /16.00H TO1976/108 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/108/ 8.00 H	LAT= -30.1	11 - 1976/110/ 19.00 H	LAT= 36.9		
2 - 1976/108/ 15.00 H	LAT= -44.0	12 - 1976/111/ 7.00 H	LAT= 53.7		
3 - 1976/108/ 19.00 H	LAT= -49.9	13 - 1976/111/ 23.00 H	LAT= 29.6		
4 - 1976/108/ 23.00 H	LAT= -53.2	14 - 1976/112/ 9.00 H	LAT= 5.0		
5 - 1976/109/ 3.00 H	LAT= -53.2	15 - 1976/112/ 19.00 H	LAT= -19.9		
6 - 1976/109/ 8.00 H	LAT= -50.9				
7 - 1976/109/ 10.00 H	LAT= -45.3				
8 - 1976/109/ 16.00 H	LAT= -33.2				
9 - 1976/109/ 23.00 H	LAT= -15.9				
10 - 1976/110/ 8.00 H	LAT= 8.9				

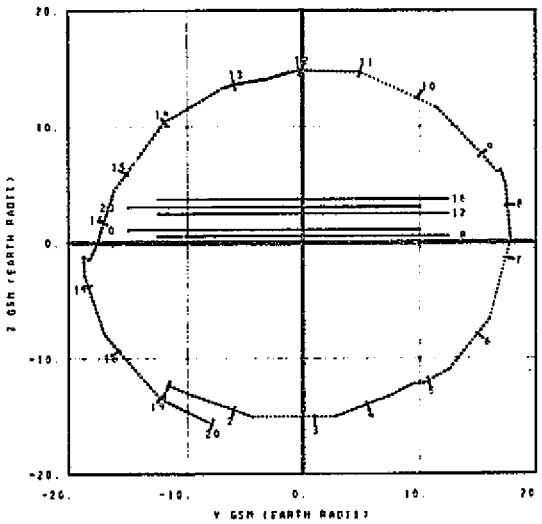
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/108/ 8.00H TO 1976/112/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/108/ 8.00H	R= 19.1 R_E	11 - 1976/110/ 19.00H	R= 17.8 R_E
2 - 1976/108/ 14.00H	R= 19.1 R_E	12 - 1976/110/ 23.00H	R= 17.9 R_E
3 - 1976/108/ 18.00H	R= 19.0 R_E	13 - 1976/111/ 10.00H	R= 18.1 R_E
4 - 1976/108/ 21.00H	R= 19.0 R_E	14 - 1976/111/ 15.00H	R= 18.2 R_E
5 - 1976/109/ 3.00H	R= 18.7 R_E	15 - 1976/111/ 18.00H	R= 18.3 R_E
6 - 1976/109/ 14.00H	R= 18.5 R_E	16 - 1976/111/ 21.00H	R= 18.4 R_E
7 - 1976/109/ 18.00H	R= 18.4 R_E	17 - 1976/112/ 12.00H	R= 18.9 R_E
8 - 1976/109/ 21.00H	R= 18.3 R_E	18 - 1976/112/ 16.00H	R= 19.0 R_E
9 - 1976/110/ 11.00H	R= 17.9 R_E	19 - 1976/112/ 19.00H	R= 19.0 R_E
10 - 1976/110/ 16.00H	R= 17.8 R_E	20 - 1976/112/ 23.00H	R= 19.1 R_E

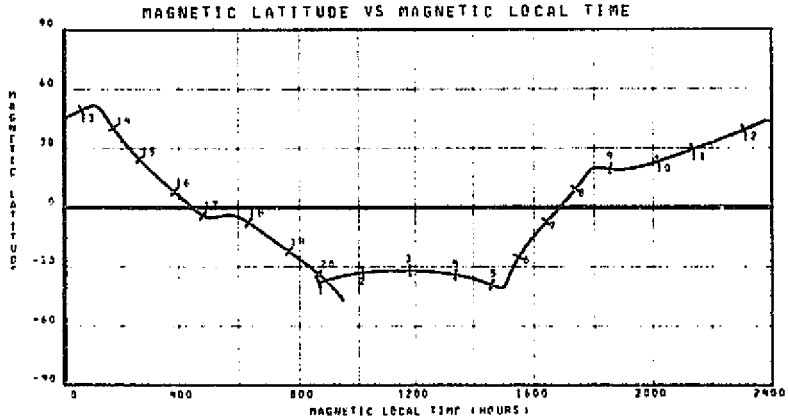
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/108/ 8.00H TO 1976/112/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/108/ 8.00H	R= 19.1 R_E	8 - 1976/109/ 20.00H	R= 18.3 R_E
2 - 1976/108/ 13.00H	R= 19.1 R_E	9 - 1976/110/ 6.00H	R= 18.0 R_E
3 - 1976/108/ 17.00H	R= 19.1 R_E	10 - 1976/110/ 13.00H	R= 17.9 R_E
4 - 1976/108/ 21.00H	R= 19.0 R_E	11 - 1976/110/ 16.00H	R= 17.8 R_E
5 - 1976/109/ 2.00H	R= 18.7 R_E	12 - 1976/110/ 20.00H	R= 17.8 R_E
6 - 1976/109/ 12.00H	R= 18.6 R_E	13 - 1976/111/ 1.00H	R= 17.9 R_E
7 - 1976/109/ 16.00H	R= 18.4 R_E	14 - 1976/111/ 10.00H	R= 18.1 R_E

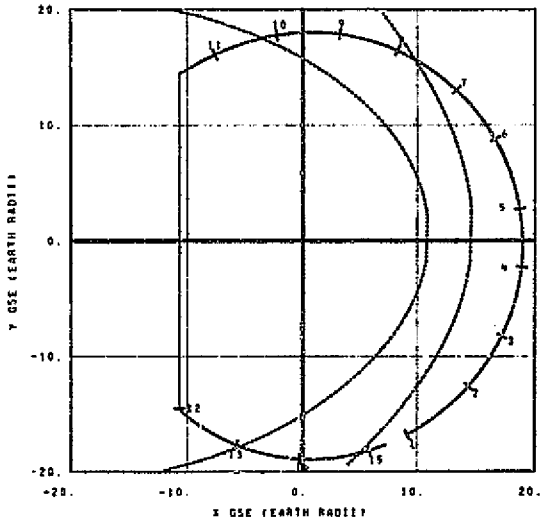
15 - 1976/111/ 14.00H	R= 18.2 R_E		
16 - 1976/111/ 18.00H	R= 18.3 R_E		
17 - 1976/111/ 22.00H	R= 18.3 R_E		
18 - 1976/112/ 11.00H	R= 18.9 R_E		
19 - 1976/112/ 15.00H	R= 19.0 R_E		
20 - 1976/112/ 19.00H	R= 19.0 R_E		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/108/ 8.00H TO1976/112 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/113/ 0.00H	LAT= -30.8	11 - 1976/115/ 10.00H	LAT= 35.2		
2 - 1976/113/ 7.00H	LAT= -49.5	12 - 1976/115/ 23.00H	LAT= 53.6		
3 - 1976/113/ 11.00H	LAT= -50.2	13 - 1976/116/ 17.00H	LAT= 29.0		
4 - 1976/113/ 15.00H	LAT= -53.3	14 - 1976/117/ 3.00H	LAT= -0.7		
5 - 1976/113/ 18.00H	LAT= -53.5	15 - 1976/117/ 13.00H	LAT= -29.7		
6 - 1976/113/ 22.00H	LAT= -50.7				
7 - 1976/114/ 7.00H	LAT= -44.9				
8 - 1976/114/ 8.00H	LAT= -32.7				
9 - 1976/114/ 15.00H	LAT= -15.3				
10 - 1976/115/ 0.00H	LAT= 1.0				

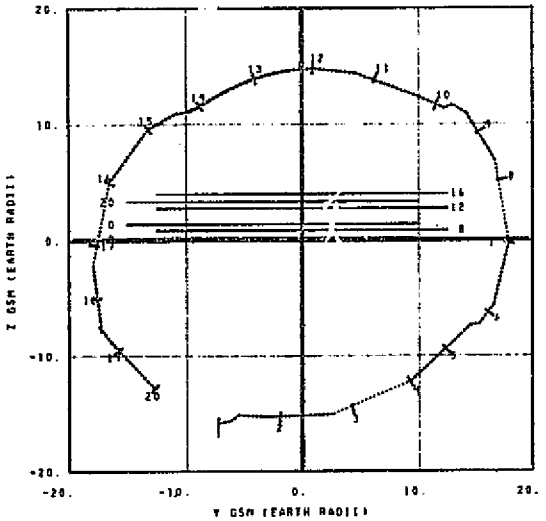
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/113/ 0.00H TO 1976/117/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/113/ 0.00H	R= 19.1RE	11 - 1976/115/ 14.00H	R= 17.8RE
2 - 1976/113/ 12.00H	R= 19.0RE	12 - 1976/115/ 17.00H	R= 17.9RE
3 - 1976/113/ 16.00H	R= 18.9RE	13 - 1976/115/ 20.00H	R= 17.9RE
4 - 1976/113/ 19.00H	R= 18.9RE	14 - 1976/116/ 1.00H	R= 18.0RE
5 - 1976/113/ 22.00H	R= 18.8RE	15 - 1976/116/ 11.00H	R= 18.4RE
6 - 1976/114/ 10.00H	R= 18.4RE	16 - 1976/116/ 15.00H	R= 18.5RE
7 - 1976/114/ 15.00H	R= 18.2RE	17 - 1976/116/ 18.00H	R= 18.4RE
8 - 1976/114/ 18.00H	R= 18.1RE	18 - 1976/116/ 21.00H	R= 18.7RE
9 - 1976/114/ 21.00H	R= 18.0RE	19 - 1976/117/ 12.00H	R= 19.1RE
10 - 1976/115/ 9.00H	R= 17.8RE	20 - 1976/117/ 15.00H	R= 19.1RE

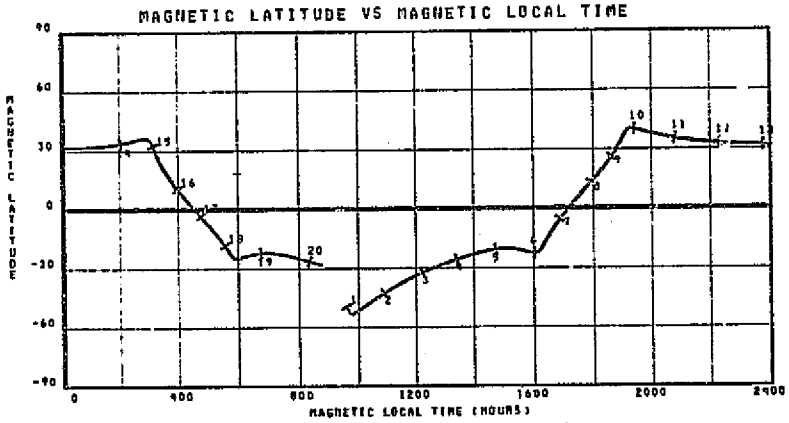
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/113/ 0.00H TO 1976/117/14.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/113/ 0.00H	R= 19.1RE	8 - 1976/114/ 17.00H	R= 18.1RE	15 - 1976/116/ 8.00H	R= 18.3RE
2 - 1976/113/ 10.00H	R= 19.1RE	9 - 1976/115/ 20.00H	R= 18.0RE	16 - 1976/116/ 10.00H	R= 18.4RE
3 - 1976/113/ 14.00H	R= 19.0RE	10 - 1976/115/ 4.00H	R= 17.9RE	17 - 1976/116/ 17.00H	R= 18.6RE
4 - 1976/113/ 17.00H	R= 18.9RE	11 - 1976/115/ 10.00H	R= 17.8RE	18 - 1976/116/ 21.00H	R= 18.7RE
5 - 1976/113/ 21.00H	R= 18.8RE	12 - 1976/115/ 14.00H	R= 17.8RE	19 - 1976/117/ 8.00H	R= 19.0RE
6 - 1976/114/ 9.00H	R= 18.5RE	13 - 1976/115/ 17.00H	R= 17.9RE	20 - 1976/117/ 14.00H	R= 19.1RE
7 - 1976/114/ 13.00H	R= 18.3RE	14 - 1976/115/ 23.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/113 / 0.00H TO1976/117 /16.00H

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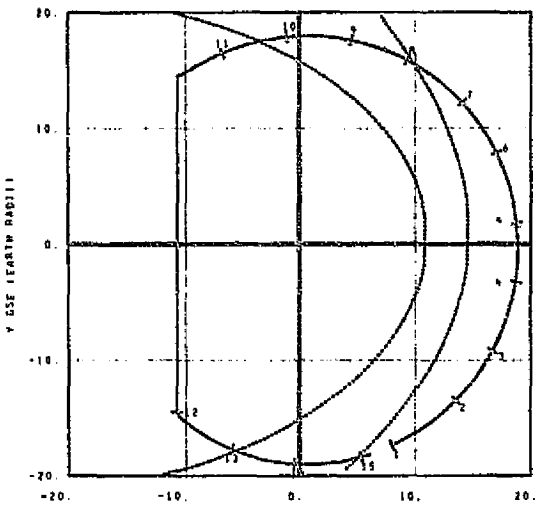
VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/117/ 16.00H	LAT= -31.4	11 - 1976/120/ 2.00H	LAT= 36.0		
2 - 1976/117/ 23.00H	LAT= -45.0	12 - 1976/120/ 10.00H	LAT= 52.3		
3 - 1976/118/ 3.00H	LAT= -50.5	13 - 1976/121/ 11.00H	LAT= 18.2		
4 - 1976/118/ 7.00H	LAT= -53.4	14 - 1976/121/ 21.00H	LAT= -5.5		
5 - 1976/118/ 10.00H	LAT= -53.1	15 - 1976/122/ 4.00H	LAT= -27.8		
6 - 1976/118/ 14.00H	LAT= -50.2				
7 - 1976/118/ 18.00H	LAT= -44.2				
8 - 1976/119/ 0.00H	LAT= -31.8				
9 - 1976/119/ 7.00H	LAT= -14.3				
10 - 1976/119/ 16.00H	LAT= 10.0				

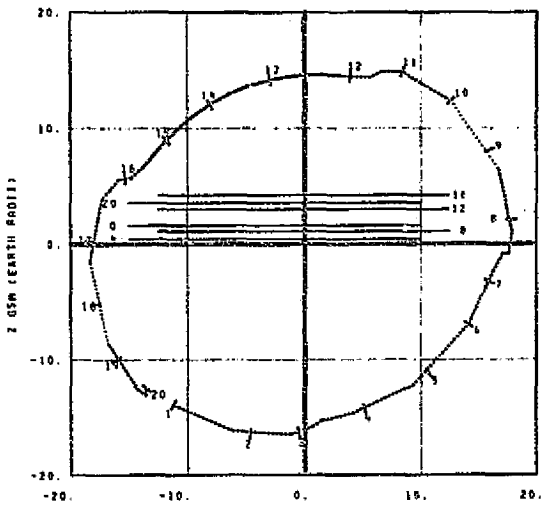
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/117/16.00H TO 1976/122/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/117/ 16.00H	R= 19.1RE	11 - 1976/119/ 23.00H	R= 17.8RE
2 - 1976/117/ 23.00H	R= 19.1RE	12 - 1976/120/ 10.00H	R= 17.9RE
3 - 1976/118/ 0.00H	R= 19.1RE	13 - 1976/120/ 15.00H	R= 18.9RE
4 - 1976/118/ 12.00H	R= 18.8RE	14 - 1976/120/ 10.00H	R= 18.1RE
5 - 1976/118/ 14.00H	R= 18.7RE	15 - 1976/120/ 21.00H	R= 18.2RE
6 - 1976/118/ 19.00H	R= 18.6RE	16 - 1976/121/ 5.00H	R= 18.5RE
7 - 1976/118/ 22.00H	R= 18.5RE	17 - 1976/121/ 14.00H	R= 18.8RE
8 - 1976/119/ 12.00H	R= 18.0RE	18 - 1976/121/ 17.00H	R= 18.9RE
9 - 1976/119/ 16.00H	R= 17.9RE	19 - 1976/121/ 20.00H	R= 18.9RE
10 - 1976/119/ 19.00H	R= 17.9RE	20 - 1976/122/ 7.00H	R= 19.1RE

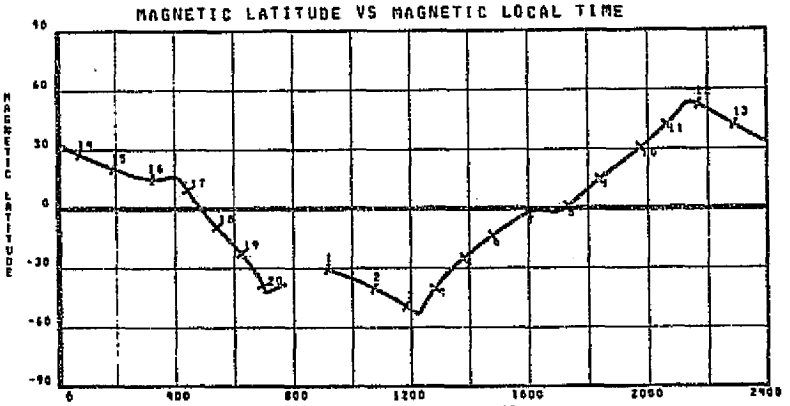
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/117/16.00H TO 1976/122/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

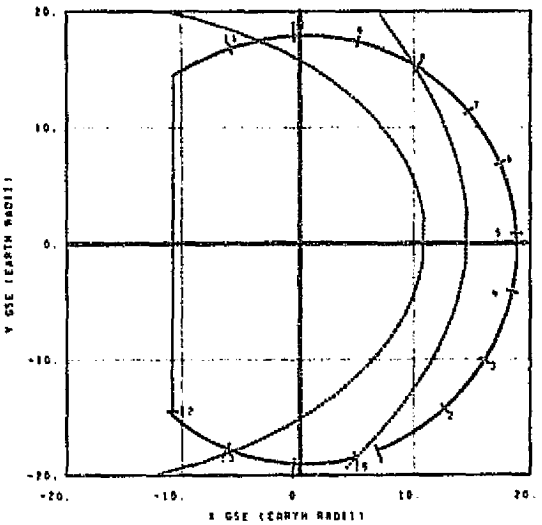
1 - 1976/117/ 16.00H	R= 19.1RE	11 - 1976/120/ 10.00H	R= 18.1RE
2 - 1976/117/ 23.00H	R= 19.1RE	12 - 1976/120/ 15.00H	R= 18.9RE
3 - 1976/118/ 0.00H	R= 19.1RE	13 - 1976/120/ 10.00H	R= 18.1RE
4 - 1976/118/ 12.00H	R= 18.8RE	14 - 1976/120/ 21.00H	R= 18.2RE
5 - 1976/118/ 14.00H	R= 18.7RE	15 - 1976/121/ 5.00H	R= 18.5RE
6 - 1976/118/ 19.00H	R= 18.6RE	16 - 1976/121/ 14.00H	R= 18.8RE
7 - 1976/118/ 22.00H	R= 18.5RE	17 - 1976/121/ 17.00H	R= 18.9RE
8 - 1976/119/ 12.00H	R= 18.0RE	18 - 1976/121/ 20.00H	R= 18.9RE
9 - 1976/119/ 16.00H	R= 17.9RE	19 - 1976/122/ 7.00H	R= 19.1RE
10 - 1976/119/ 19.00H	R= 17.9RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/117/16.00H TO 1976/122/ 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/122/	8.00 H	LAT= -32.2	11 - 1976/124/	18.00 H	LAT=	34.9
2 - 1976/122/	15.00 H	LAT= -46.5	12 - 1976/125/	0.00 H	LAT=	53.2
3 - 1976/122/	19.00 H	LAT= -50.9	13 - 1976/126/	5.00 H	LAT=	12.5
4 - 1976/122/	23.00 H	LAT= -53.5	14 - 1976/126/	15.00 H	LAT=	-12.2
5 - 1976/123/	2.00 H	LAT= -53.2	15 - 1976/126/	23.20 H	LAT=	-30.8
6 - 1976/123/	6.00 H	LAT= -49.8				
7 - 1976/123/	10.00 H	LAT= -43.7				
8 - 1976/123/	14.00 H	LAT= -31.0				
9 - 1976/124/	0.00 H	LAT= -10.7				
10 - 1976/124/	9.00 H	LAT= 13.6				

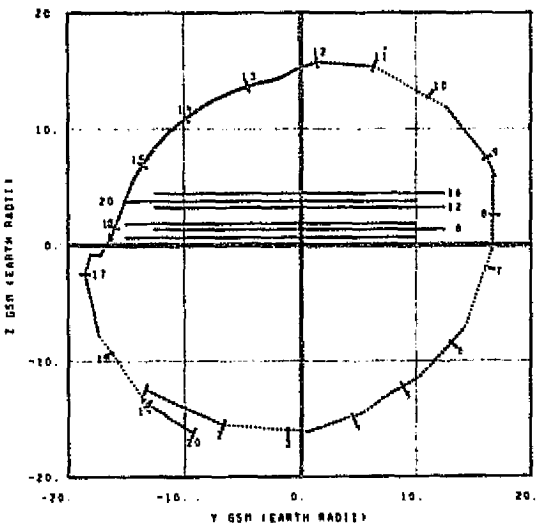
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/122/ 8.00H TO 1976/126/23.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/122/	8.00 H	R= 19.1 R_E	11 - 1976/124/	19.00 H	R= 17.8 R_E
2 - 1976/122/	15.00 H	R= 19.1 R_E	12 - 1976/124/	23.00 H	R= 17.9 R_E
3 - 1976/122/	18.00 H	R= 19.0 R_E	13 - 1976/125/	11.00 H	R= 18.1 R_E
4 - 1976/122/	22.00 H	R= 19.0 R_E	14 - 1976/125/	15.00 H	R= 18.3 R_E
5 - 1976/123/	1.00 H	R= 18.8 R_E	15 - 1976/125/	18.00 H	R= 18.4 R_E
6 - 1976/123/	14.00 H	R= 18.5 R_E	16 - 1976/125/	22.00 H	R= 18.5 R_E
7 - 1976/123/	18.00 H	R= 18.3 R_E	17 - 1976/126/	11.00 H	R= 18.4 R_E
8 - 1976/123/	21.00 H	R= 18.2 R_E	18 - 1976/126/	16.00 H	R= 19.0 R_E
9 - 1976/124/	11.00 H	R= 17.9 R_E	19 - 1976/126/	19.00 H	R= 19.1 R_E
10 - 1976/124/	16.00 H	R= 17.8 R_E	20 - 1976/126/	23.00 H	R= 19.1 R_E

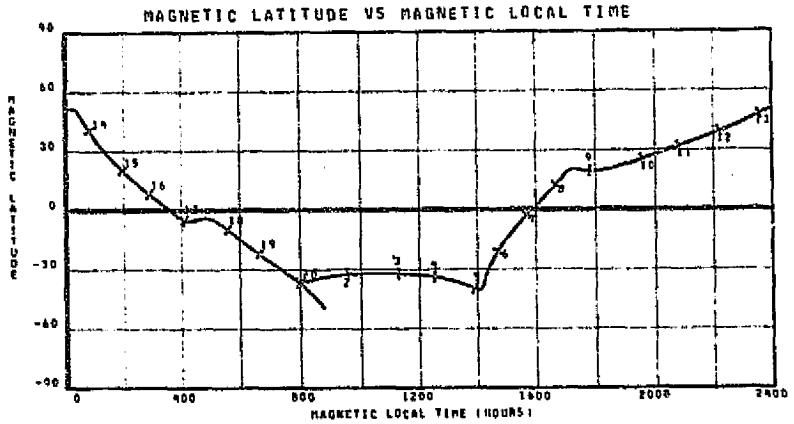
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/122/ 8.00H TO 1976/126/23.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

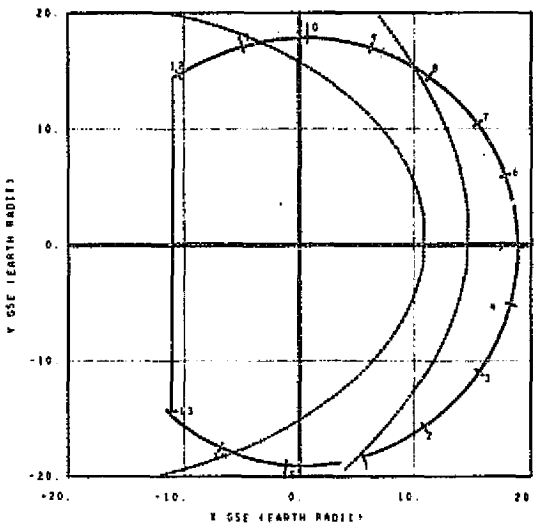
1 - 1976/122/	8.00 H	R= 19.1 R_E	8 - 1976/123/	20.00 H	R= 18.2 R_E	15 - 1976/125/	14.00 H	R= 18.3 R_E
2 - 1976/122/	11.00 H	R= 19.1 R_E	9 - 1976/124/	4.00 H	R= 17.8 R_E	16 - 1976/125/	17.00 H	R= 18.3 R_E
3 - 1976/122/	17.00 H	R= 19.1 R_E	10 - 1976/124/	12.00 H	R= 17.8 R_E	17 - 1976/125/	23.00 H	R= 18.5 R_E
4 - 1976/122/	20.00 H	R= 19.0 R_E	11 - 1976/124/	14.00 H	R= 17.8 R_E	18 - 1976/126/	11.00 H	R= 18.4 R_E
5 - 1976/123/	2.00 H	R= 18.8 R_E	12 - 1976/124/	17.00 H	R= 17.8 R_E	19 - 1976/126/	15.00 H	R= 19.0 R_E
6 - 1976/123/	12.00 H	R= 18.5 R_E	13 - 1976/124/	23.00 H	R= 17.9 R_E	20 - 1976/126/	19.00 H	R= 19.1 R_E
7 - 1976/123/	16.00 H	R= 18.4 R_E	14 - 1976/125/	9.00 H	R= 18.1 R_E			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/122 / 8.00H TO1976/126 /23.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/127/ 0.00H	LAT= -32.9	11 - 1976/129/ 10.00H	LAT= 37.6		
2 - 1976/127/ 6.00H	LAT= -44.5	12 - 1976/129/ 22.00H	LAT= 53.6		
3 - 1976/127/ 11.00H	LAT= -51.5	13 - 1976/130/ 1.00H	LAT= 62.3		
4 - 1976/127/ 15.00H	LAT= -53.6	14 - 1976/130/ 22.00H	LAT= 9.3		
5 - 1976/127/ 18.00H	LAT= -53.1	15 - 1976/131/ 0.00H	LAT= -19.3		
6 - 1976/127/ 22.00H	LAT= -49.5				
7 - 1976/128/ 2.00H	LAT= -43.2				
8 - 1976/128/ 8.00H	LAT= -30.3				
9 - 1976/128/ 14.00H	LAT= -10.0				
10 - 1976/129/ 1.00H	LAT= 14.6				

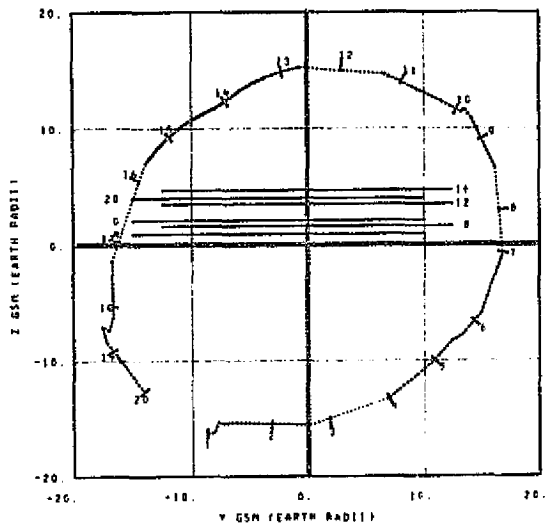
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/127/ 0.00H TO 1976/131/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/127/ 0.00H	R= 19.1RE	11 - 1976/129/ 14.00H	R= 17.8RE		
2 - 1976/127/ 6.00H	R= 19.0RE	12 - 1976/129/ 17.00H	R= 17.9RE		
3 - 1976/127/ 11.00H	R= 18.9RE	13 - 1976/129/ 20.00H	R= 17.9RE		
4 - 1976/127/ 15.00H	R= 18.8RE	14 - 1976/130/ 2.00H	R= 18.1RE		
5 - 1976/127/ 23.00H	R= 18.7RE	15 - 1976/130/ 12.00H	R= 18.5RE		
6 - 1976/128/ 10.00H	R= 18.3RE	16 - 1976/130/ 19.00H	R= 18.6RE		
7 - 1976/128/ 15.00H	R= 18.1RE	17 - 1976/130/ 10.00H	R= 18.7RE		
8 - 1976/128/ 17.00H	R= 18.1RE	18 - 1976/130/ 22.00H	R= 18.8RE		
9 - 1976/128/ 21.00H	R= 18.0RE	19 - 1976/131/ 12.00H	R= 19.1RE		
10 - 1976/129/ 9.00H	R= 17.8RE	20 - 1976/131/ 15.00H	R= 19.1RE		

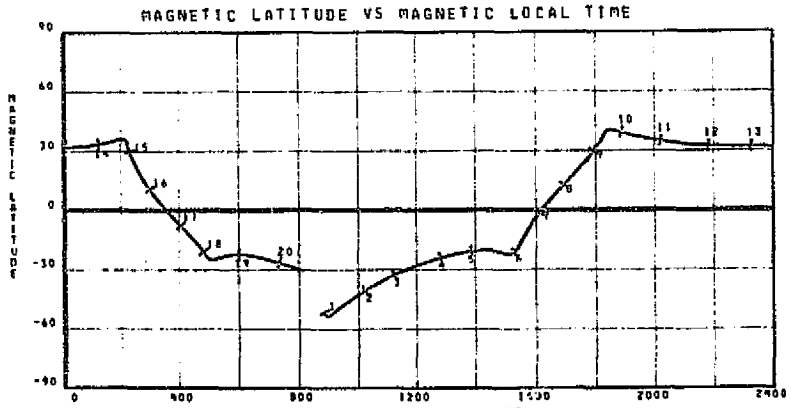
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/127/ 0.00H TO 1976/131/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

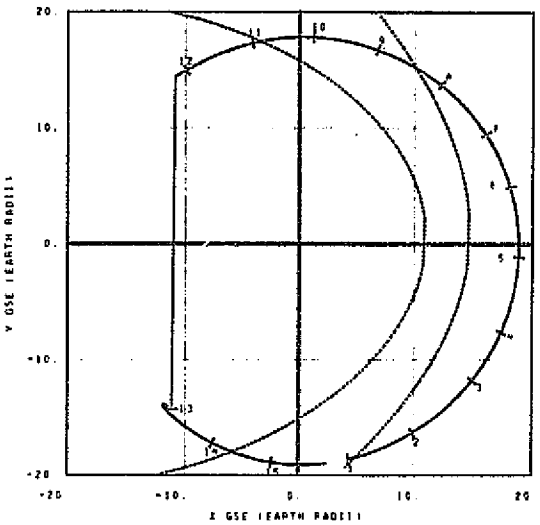
1 - 1976/127/ 0.00H	R= 19.1RE	8 - 1976/128/ 16.00H	R= 18.2RE	15 - 1976/130/ 8.00H	R= 18.3RE
2 - 1976/127/ 10.00H	R= 19.0RE	9 - 1976/128/ 20.00H	R= 18.0RE	16 - 1976/130/ 13.00H	R= 18.5RE
3 - 1976/127/ 13.00H	R= 19.0RE	10 - 1976/129/ 5.00H	R= 17.8RE	17 - 1976/130/ 17.00H	R= 18.6RE
4 - 1976/127/ 17.00H	R= 18.9RE	11 - 1976/129/ 10.00H	R= 17.8RE	18 - 1976/130/ 21.00H	R= 18.8RE
5 - 1976/127/ 20.00H	R= 18.8RE	12 - 1976/129/ 14.00H	R= 17.8RE	19 - 1976/131/ 5.00H	R= 19.0RE
6 - 1976/128/ 6.00H	R= 18.5RE	13 - 1976/129/ 17.00H	R= 17.9RE	20 - 1976/131/ 13.00H	R= 19.1RE
7 - 1976/128/ 13.00H	R= 18.2RE	14 - 1976/129/ 22.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/127 / 0.00H TO1976/131 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/131/ 16.00H	LAT= -33.5	11 - 1976/134/ 2.00H	LAT= 38.3		
2 - 1976/131/ 22.00H	LAT= -49.9	12 - 1976/134/ 11.00H	LAT= 53.6		
3 - 1976/132/ 3.00H	LAT= -51.5	13 - 1976/134/ 17.00H	LAT= 52.7		
4 - 1976/132/ 6.00H	LAT= -53.4	14 - 1976/135/ 15.00H	LAT= 5.4		
5 - 1976/132/ 10.00H	LAT= -52.9	15 - 1976/136/ 0.00H	LAT= -16.3		
6 - 1976/132/ 14.00H	LAT= -49.0				
7 - 1976/132/ 18.00H	LAT= -42.5				
8 - 1976/133/ 0.00H	LAT= -29.3				
9 - 1976/133/ 4.00H	LAT= -6.4				
10 - 1976/133/ 18.00H	LAT= 18.1				

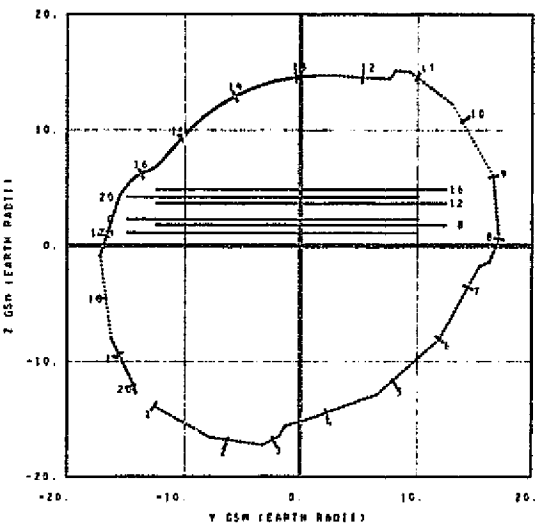
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/131/16.00H TO 1976/136/ 0.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/131/ 16.00H	R= 19.1RE	11 - 1976/133/ 22.00H	R= 17.8RE
2 - 1976/131/ 20.00H	R= 19.1RE	12 - 1976/134/ 11.00H	R= 17.9RE
3 - 1976/132/ 1.00H	R= 19.0RE	13 - 1976/134/ 15.00H	R= 18.0RE
4 - 1976/132/ 12.00H	R= 18.8RE	14 - 1976/134/ 18.00H	R= 18.1RE
5 - 1976/132/ 16.00H	R= 18.7RE	15 - 1976/134/ 22.00H	R= 18.2RE
6 - 1976/132/ 19.00H	R= 18.6RE	16 - 1976/135/ 7.00H	R= 18.5RE
7 - 1976/132/ 23.00H	R= 18.5RE	17 - 1976/135/ 14.00H	R= 18.8RE
8 - 1976/133/ 11.00H	R= 18.0RE	18 - 1976/135/ 17.00H	R= 19.1RE
9 - 1976/133/ 15.00H	R= 17.9RE	19 - 1976/135/ 20.00H	R= 19.0RE
10 - 1976/133/ 18.00H	R= 17.9RE	20 - 1976/136/ 7.00H	R= 19.1RE

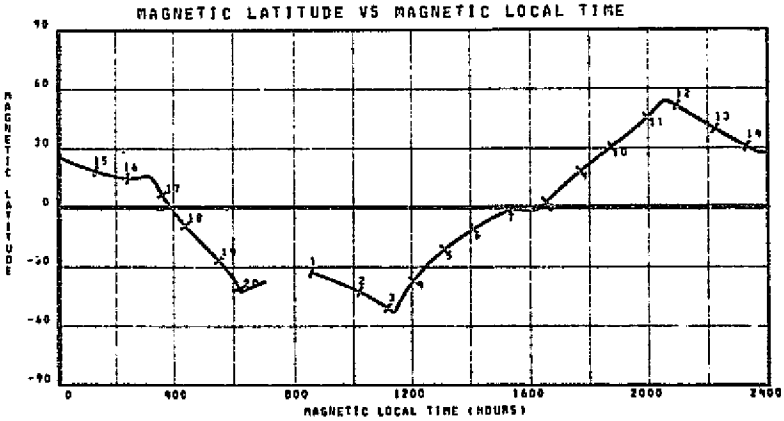
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/131/16.00H TO 1976/136/ 0.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/131/ 16.00H	R= 19.1RE	8 - 1976/133/ 0.00H	R= 18.1RE	15 - 1976/134/ 18.00H	R= 18.1RE
2 - 1976/131/ 20.00H	R= 19.1RE	9 - 1976/133/ 4.00H	R= 17.9RE	16 - 1976/134/ 22.00H	R= 18.2RE
3 - 1976/132/ 0.00H	R= 19.1RE	10 - 1976/133/ 11.00H	R= 17.9RE	17 - 1976/135/ 10.00H	R= 18.7RE
4 - 1976/132/ 10.00H	R= 18.9RE	11 - 1976/133/ 21.00H	R= 17.8RE	18 - 1976/135/ 14.00H	R= 18.8RE
5 - 1976/132/ 14.00H	R= 18.7RE	12 - 1976/134/ 5.00H	R= 17.8RE	19 - 1976/135/ 18.00H	R= 18.9RE
6 - 1976/132/ 17.00H	R= 18.6RE	13 - 1976/134/ 10.00H	R= 17.9RE	20 - 1976/135/ 23.00H	R= 19.1RE
7 - 1976/132/ 22.00H	R= 18.4RE	14 - 1976/134/ 13.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/131/16.00H TO1976/136/ 0.00H

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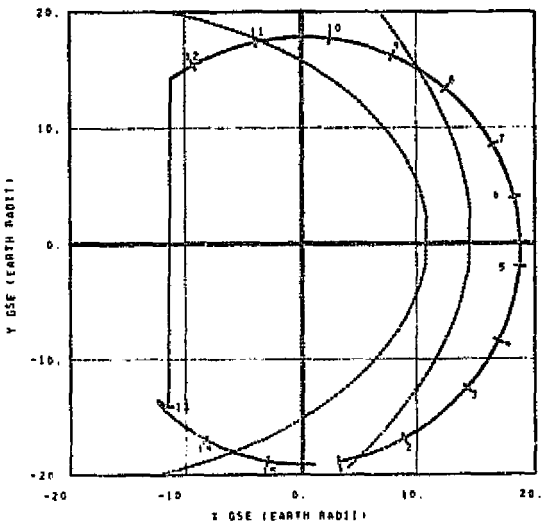
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/136/ 8.00H	LAT= -34.7	11 - 1976/138/ 19.00H	LAT= 61.4		
2 - 1976/136/ 14.00H	LAT= -65.6	12 - 1976/139/ 4.00H	LAT= 53.5		
3 - 1976/136/ 19.00H	LAT= -81.9	13 - 1976/139/ 10.00H	LAT= 30.7		
4 - 1976/136/ 22.00H	LAT= -83.6	14 - 1976/140/ 8.00H	LAT= 2.6		
5 - 1976/137/ 2.00H	LAT= -82.7	15 - 1976/140/ 17.00H	LAT= -19.4		
6 - 1976/137/ 4.00H	LAT= -80.5				
7 - 1976/137/ 10.00H	LAT= -61.0				
8 - 1976/137/ 17.00H	LAT= -26.1				
9 - 1976/138/ 1.00H	LAT= -5.3				
10 - 1976/138/ 10.00H	LAT= 19.2				

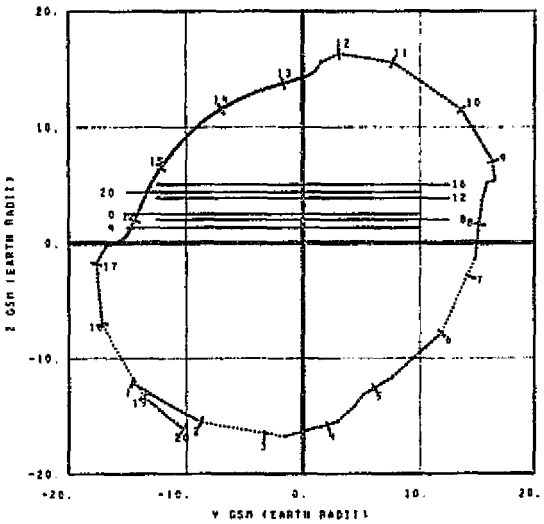
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/136/ 8.00H TO 1976/140/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/136/ 8.00H	R= 19.1RE	11 - 1976/138/ 19.00H	R= 17.9RE		
2 - 1976/136/ 15.00H	R= 19.1RE	12 - 1976/138/ 23.00H	R= 17.9RE		
3 - 1976/136/ 18.00H	R= 19.0RE	13 - 1976/139/ 11.00H	R= 18.2RE		
4 - 1976/136/ 22.00H	R= 18.9RE	14 - 1976/139/ 15.00H	R= 18.3RE		
5 - 1976/137/ 9.00H	R= 18.6RE	15 - 1976/139/ 19.00H	R= 18.4RE		
6 - 1976/137/ 15.00H	R= 18.4RE	16 - 1976/139/ 23.00H	R= 18.4RE		
7 - 1976/137/ 18.00H	R= 18.3RE	17 - 1976/140/ 11.00H	R= 18.9RE		
8 - 1976/137/ 21.00H	R= 18.2RE	18 - 1976/140/ 15.00H	R= 19.0RE		
9 - 1976/138/ 11.00H	R= 17.9RE	19 - 1976/140/ 19.00H	R= 19.1RE		
10 - 1976/138/ 15.00H	R= 17.8RE	20 - 1976/140/ 23.00H	R= 19.1RE		

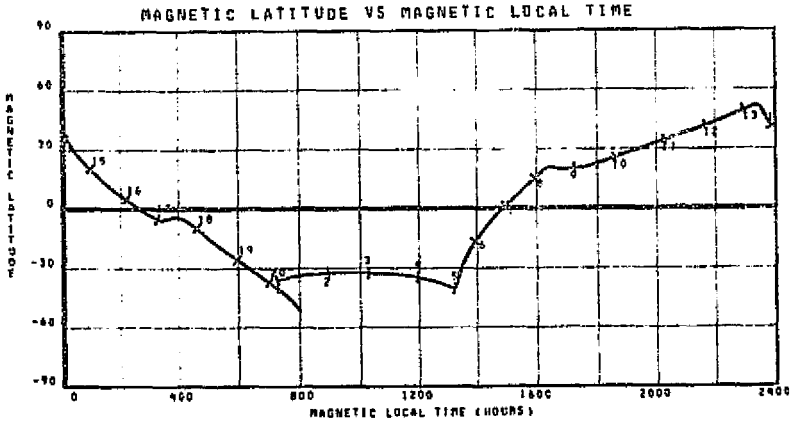
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/136/ 8.00H TO 1976/140/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

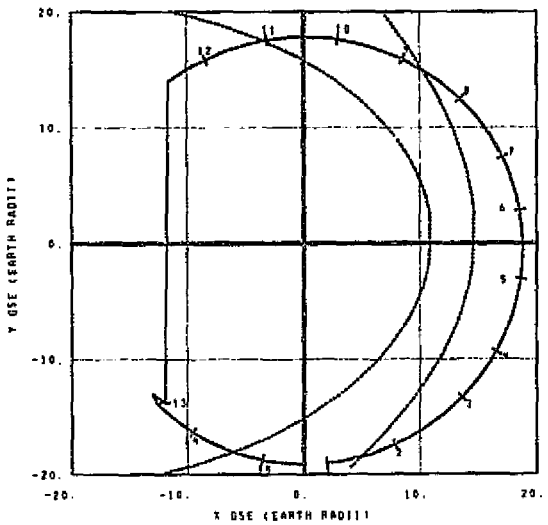
1 - 1976/136/ 8.00H	R= 19.1RE	8 - 1976/137/ 20.00H	R= 18.2RE	15 - 1976/139/ 13.00H	R= 18.2RE
2 - 1976/136/ 13.00H	R= 19.1RE	9 - 1976/138/ 7.00H	R= 17.9RE	16 - 1976/139/ 17.00H	R= 18.4RE
3 - 1976/136/ 16.00H	R= 19.1RE	10 - 1976/138/ 12.00H	R= 17.8RE	17 - 1976/139/ 21.00H	R= 18.5RE
4 - 1976/136/ 20.00H	R= 19.0RE	11 - 1976/138/ 16.00H	R= 17.8RE	18 - 1976/140/ 10.00H	R= 18.9RE
5 - 1976/137/ 3.00H	R= 18.8RE	12 - 1976/138/ 19.00H	R= 17.8RE	19 - 1976/140/ 15.00H	R= 19.0RE
6 - 1976/137/ 12.00H	R= 18.5RE	13 - 1976/138/ 23.00H	R= 17.9RE	20 - 1976/140/ 18.00H	R= 19.1RE
7 - 1976/137/ 16.00H	R= 18.4RE	14 - 1976/139/ 8.00H	R= 18.1RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/136 / 8.00H TO1976/140 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/141/	0.00H	LAT= -35.0	11 - 1976/143/	11.00H	LAT=	41.9
2 - 1976/141/	6.00H	LAT= -46.1	12 - 1976/143/	19.00H	LAT=	53.2
3 - 1976/141/	11.00H	LAT= -52.2	13 - 1976/144/	3.00H	LAT=	49.0
4 - 1976/141/	14.00H	LAT= -53.6	14 - 1976/145/	0.00H	LAT=	1.8
5 - 1976/141/	18.00H	LAT= -52.5	15 - 1976/145/	10.00H	LAT=	-22.4
6 - 1976/141/	22.00H	LAT= -48.2				
7 - 1976/142/	2.00H	LAT= -41.3				
8 - 1976/142/	9.00H	LAT= -25.6				
9 - 1976/142/	16.00H	LAT= -2.0				
10 - 1976/143/	3.00H	LAT= 22.5				

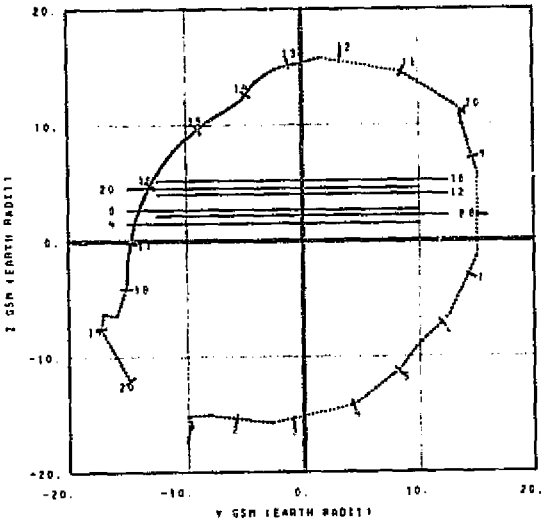
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/141/ 0.00H TO 1976/145/16..0H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/141/	0.00H	R= 19.1R$_E$	11 - 1976/143/	15.00H	R=	17.9R$_E$
2 - 1976/141/	13.00H	R= 19.0R$_E$	12 - 1976/143/	18.00H	R=	17.9R$_E$
3 - 1976/141/	16.00H	R= 18.9R$_E$	13 - 1976/143/	21.00H	R=	18.0R$_E$
4 - 1976/141/	19.00H	R= 18.8R$_E$	14 - 1976/144/	4.00H	R=	18.2R$_E$
5 - 1976/141/	23.00H	R= 18.7R$_E$	15 - 1976/144/	12.00H	R=	18.5R$_E$
6 - 1976/142/	10.00H	R= 18.3R$_E$	16 - 1976/144/	16.00H	R=	18.6R$_E$
7 - 1976/142/	14.00H	R= 18.1R$_E$	17 - 1976/144/	19.00H	R=	18.7R$_E$
8 - 1976/142/	17.00H	R= 18.1R$_E$	18 - 1976/144/	22.00H	R=	18.8R$_E$
9 - 1976/142/	20.00H	R= 18.0R$_E$	19 - 1976/145/	11.00H	R=	19.1R$_E$
10 - 1976/145/	9.00H	R= 17.8R$_E$	20 - 1976/145/	15.00H	R=	19.1R$_E$

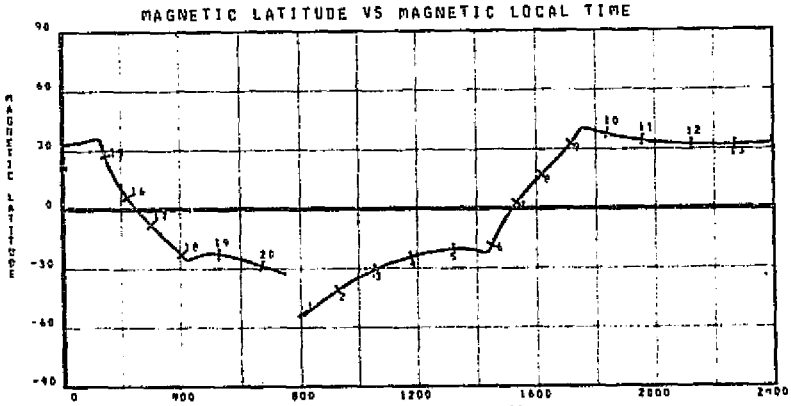
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/141/ 0.00H TO 1976/145/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

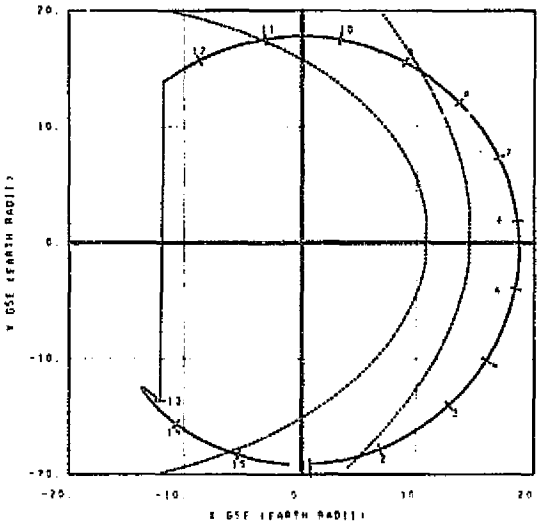
1 - 1976/141/	0.00H	R= 19.1R$_E$	8 - 1976/142/	16.00H	R=	18.1R$_E$	15 - 1976/144/	8.00H	R=	18.5R$_E$
2 - 1976/141/	9.00H	R= 19.0R$_E$	9 - 1976/142/	20.00H	R=	18.0R$_E$	16 - 1976/144/	13.00H	R=	18.5R$_E$
3 - 1976/141/	13.00H	R= 19.0R$_E$	10 - 1976/143/	6.00H	R=	17.8R$_E$	17 - 1976/144/	16.00H	R=	18.6R$_E$
4 - 1976/141/	16.00H	R= 18.9R$_E$	11 - 1976/143/	10.00H	R=	17.8R$_E$	18 - 1976/144/	21.00H	R=	18.8R$_E$
5 - 1976/141/	20.00H	R= 18.8R$_E$	12 - 1976/143/	14.00H	R=	17.9R$_E$	19 - 1976/145/	8.00H	R=	19.0R$_E$
6 - 1976/142/	7.00H	R= 18.4R$_E$	13 - 1976/143/	17.00H	R=	17.9R$_E$	20 - 1976/145/	13.00H	R=	19.1R$_E$
7 - 1976/142/	13.00H	R= 18.2R$_E$	14 - 1976/143/	20.00H	R=	18.0R$_E$				

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/141 / 0.00H TO1976/145 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/145/ 16.00H	LAT= -35.6	11 - 1976/148/ 4.00H	LAT= 99.7		
2 - 1976/145/ 22.00H	LAT= -96.6	12 - 1976/148/ 12.00H	LAT= 93.6		
3 - 1976/146/ 3.00H	LAT= -52.9	13 - 1976/148/ 19.00H	LAT= 98.9		
4 - 1976/146/ 6.00H	LAT= -53.7	14 - 1976/149/ 16.00H	LAT= 0.9		
5 - 1976/146/ 10.00H	LAT= -52.3	15 - 1976/150/ 1.00H	LAT= -20.9		
6 - 1976/146/ 14.00H	LAT= -97.6				
7 - 1976/146/ 19.00H	LAT= -36.5				
8 - 1976/147/ 2.00H	LAT= -22.1				
9 - 1976/147/ 11.00H	LAT= 1.8				
10 - 1976/147/ 20.00H	LAT= 26.1				

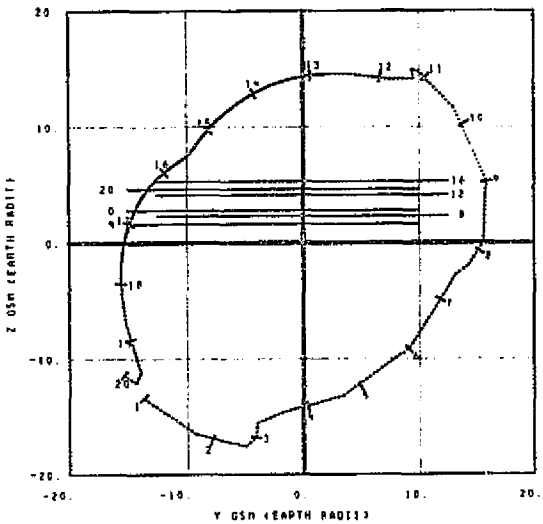
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/145/16.00H TO 1976/150/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/145/ 16.00H	R= 19.1RE	11 - 1976/147/ 22.00H	R= 17.8RE		
2 - 1976/145/ 20.00H	R= 19.1RE	12 - 1976/145/ 12.00H	R= 18.0RE		
3 - 1976/146/ 3.00H	R= 19.0RE	13 - 1976/145/ 16.00H	R= 18.4RE		
4 - 1976/146/ 13.00H	R= 18.7RE	14 - 1976/145/ 19.00H	R= 18.2RE		
5 - 1976/146/ 16.00H	R= 18.6RE	15 - 1976/148/ 23.00H	R= 18.3RE		
6 - 1976/146/ 19.00H	R= 18.5RE	16 - 1976/149/ 9.00H	R= 18.7RE		
7 - 1976/146/ 23.00H	R= 18.4RE	17 - 1976/149/ 19.00H	R= 18.6RE		
8 - 1976/147/ 10.00H	R= 18.0RE	18 - 1976/149/ 17.00H	R= 18.9RE		
9 - 1976/147/ 15.00H	R= 17.9RE	19 - 1976/149/ 20.00H	R= 19.0RE		
10 - 1976/147/ 18.00H	R= 17.8RE	20 - 1976/150/ 7.00H	R= 19.1RE		

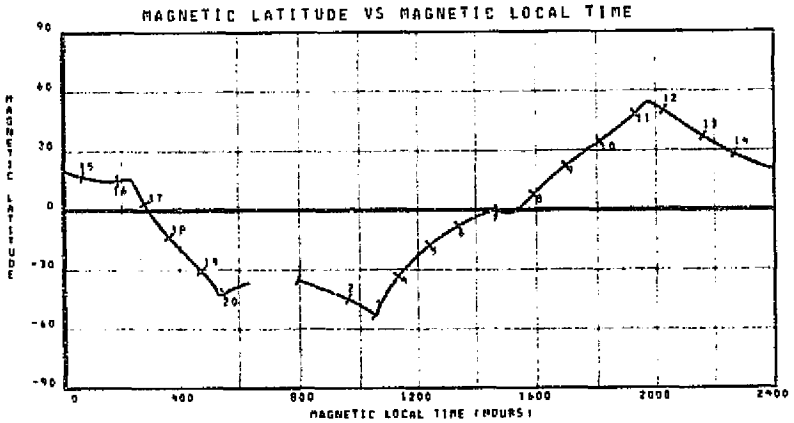
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/145/16.00H TO 1976/150/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

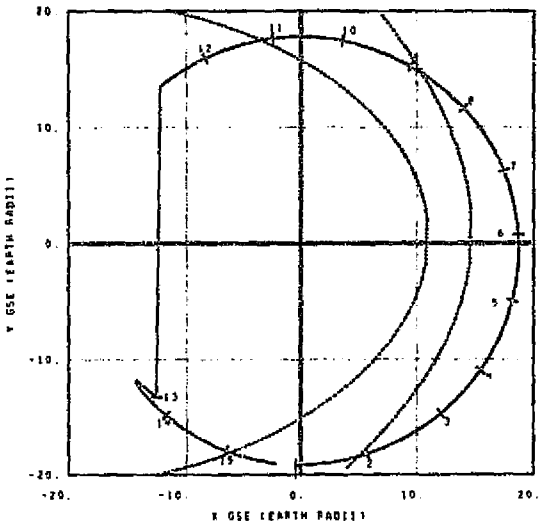
1 - 1976/145/ 16.00H	R= 19.1RE	8 - 1976/147/ 10.00H	R= 18.0RE	15 - 1976/148/ 12.00H	R= 18.1RE
2 - 1976/145/ 20.00H	R= 19.1RE	9 - 1976/147/ 14.00H	R= 17.9RE	16 - 1976/148/ 23.00H	R= 18.3RE
3 - 1976/146/ 1.00H	R= 19.0RE	10 - 1976/147/ 17.00H	R= 17.9RE	17 - 1976/149/ 10.00H	R= 18.7RE
4 - 1976/146/ 10.00H	R= 18.8RE	11 - 1976/147/ 21.00H	R= 17.8RE	18 - 1976/149/ 14.00H	R= 18.8RE
5 - 1976/146/ 14.00H	R= 18.7RE	12 - 1976/148/ 5.00H	R= 17.8RE	19 - 1976/149/ 21.00H	R= 18.9RE
6 - 1976/146/ 17.00H	R= 18.6RE	13 - 1976/148/ 10.00H	R= 17.9RE	20 - 1976/150/ 2.00H	R= 19.1RE
7 - 1976/146/ 23.00H	R= 18.4RE	14 - 1976/148/ 13.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/145 /15.00H TO1976/150 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/150/ 8.00H	LAT= -36.3	11 - 1976/152/ 20.00H	LAT= 45.4
2 - 1976/150/ 14.00H	LAT= -47.1	12 - 1976/153/ 4.00H	LAT= 53.8
3 - 1976/150/ 19.00H	LAT= -52.7	13 - 1976/153/ 12.00H	LAT= 46.4
4 - 1976/150/ 22.00H	LAT= -53.7	14 - 1976/154/ 8.00H	LAT= 0.2
5 - 1976/151/ 2.00H	LAT= -52.1	15 - 1976/154/ 17.00H	LAT= -21.6
6 - 1976/151/ 6.00H	LAT= -47.2		
7 - 1976/151/ 11.00H	LAT= -37.9		
8 - 1976/151/ 19.00H	LAT= -18.8		
9 - 1976/152/ 4.00H	LAT= 5.5		
10 - 1976/152/ 13.00H	LAT= 29.6		

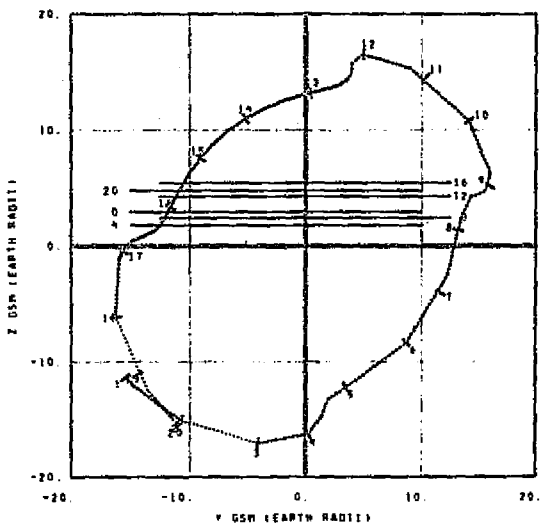
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/150/ 8.00H TO 1976/154/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/150/ 8.00H	R= 19.1R_E	11 - 1976/152/ 18.00H	R= 17.8R_E
2 - 1975/150/ 15.00H	R= 19.1R_E	12 - 1976/152/ 23.00H	R= 17.9R_E
3 - 1976/150/ 19.00H	R= 19.0R_E	13 - 1976/153/ 12.00H	R= 18.2R_E
4 - 1976/150/ 23.00H	R= 18.9R_E	14 - 1976/153/ 16.00H	R= 18.4R_E
5 - 1976/151/ 10.00H	R= 18.9R_E	15 - 1976/153/ 19.00H	R= 18.5R_E
6 - 1976/151/ 15.00H	R= 18.3R_E	16 - 1976/153/ 23.00H	R= 18.6R_E
7 - 1976/151/ 18.00H	R= 18.2R_E	17 - 1976/154/ 10.00H	R= 19.0R_E
8 - 1976/151/ 22.00H	R= 18.1R_E	18 - 1976/154/ 15.00H	R= 19.1R_E
9 - 1976/152/ 9.00H	R= 17.9R_E	19 - 1976/154/ 18.00H	R= 19.1R_E
10 - 1976/152/ 15.00H	R= 17.8R_E	20 - 1976/154/ 23.00H	R= 19.1R_E

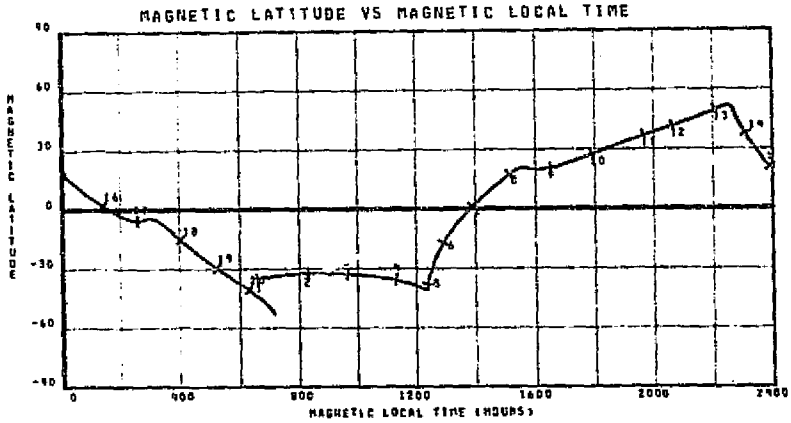
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/150/ 8.00H TO 1976/154/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

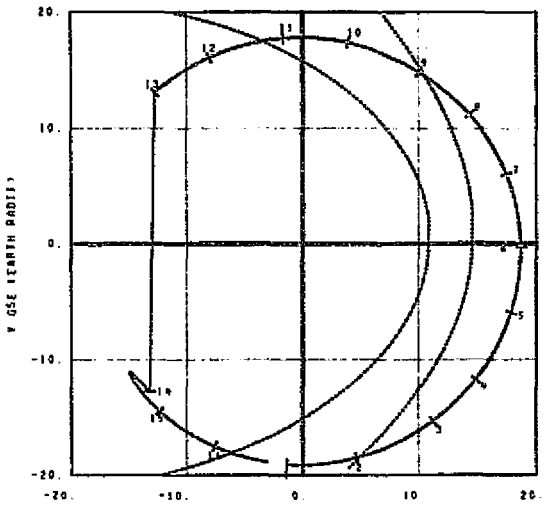
1 - 1976/150/ 8.00H	R= 19.1R_E	8 - 1976/151/ 20.00H	R= 18.2R_E	15 - 1976/153/ 12.00H	R= 18.2R_E
2 - 1976/150/ 13.00H	R= 19.1R_E	9 - 1976/152/ 7.00H	R= 17.9R_E	16 - 1976/153/ 17.00H	R= 18.4R_E
3 - 1976/150/ 18.00H	R= 19.1R_E	10 - 1976/152/ 12.00H	R= 17.8R_E	17 - 1976/153/ 23.00H	R= 18.6R_E
4 - 1976/150/ 20.00H	R= 19.0R_E	11 - 1976/152/ 16.00H	R= 17.8R_E	18 - 1976/154/ 11.00H	R= 19.0R_E
5 - 1976/151/ 0.00H	R= 18.7R_E	12 - 1976/152/ 18.00H	R= 17.8R_E	19 - 1976/154/ 15.00H	R= 19.1R_E
6 - 1976/151/ 11.00H	R= 18.5R_E	13 - 1976/152/ 22.00H	R= 17.9R_E	20 - 1976/154/ 18.00H	R= 19.1R_E
7 - 1976/151/ 15.00H	R= 18.3R_E	14 - 1976/153/ 8.00H	R= 18.1R_E		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/150/ 8.00H TO 1976/154/24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/155/ 0.00H	LAT= -37.0	11 - 1976/157/ 12.00H	LAT=	45.9
2 - 1976/155/ 6.00H	LAT= -47.6	12 - 1976/157/ 20.00H	LAT=	53.8
3 - 1976/155/ 11.00H	LAT= -52.9	13 - 1976/158/ 4.00H	LAT=	45.8
4 - 1976/155/ 19.00H	LAT= -59.8	14 - 1976/158/ 9.00H	LAT=	94.8
5 - 1976/155/ 18.00H	LAT= -51.9	15 - 1976/159/ 1.00H	LAT=	-3.8
6 - 1976/155/ 22.00H	LAT= -46.8	16 - 1976/159/ 9.00H	LAT=	-22.3
7 - 1976/156/ 4.00H	LAT= -35.2			
8 - 1976/156/ 12.00H	LAT= -15.5			
9 - 1976/156/ 21.00H	LAT= 9.8			
10 - 1976/157/ 6.00H	LAT= 32.8			

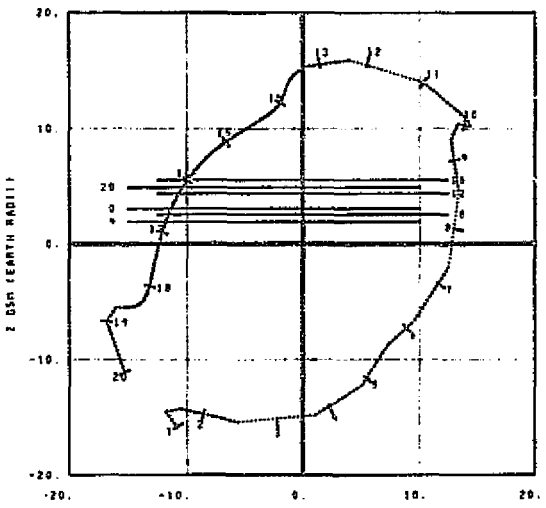
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/155/ 0.00H TO 1976/159/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/155/ 0.00H	R= 19.1RE	11 - 1976/157/ 15.00H	R= 17.9RE
2 - 1976/155/ 13.00H	R= 18.9RE	12 - 1976/157/ 18.00H	R= 17.9RE
3 - 1976/155/ 17.00H	R= 18.8RE	13 - 1976/157/ 21.00H	R= 18.0RE
4 - 1976/155/ 20.00H	R= 18.7RE	14 - 1976/158/ 4.00H	R= 18.3RE
5 - 1976/156/ 0.00H	R= 18.4RE	15 - 1976/158/ 13.00H	R= 18.6RE
6 - 1976/156/ 10.00H	R= 18.2RE	16 - 1976/158/ 16.00H	R= 18.7RE
7 - 1976/156/ 14.00H	R= 18.1RE	17 - 1976/158/ 19.00H	R= 18.8RE
8 - 1976/156/ 17.00H	R= 18.0RE	18 - 1976/158/ 23.00H	R= 18.9RE
9 - 1976/156/ 21.00H	R= 17.9RE	19 - 1976/159/ 11.00H	R= 19.1RE
10 - 1976/157/ 9.00H	R= 17.8RE	20 - 1976/159/ 15.00H	R= 19.1RE

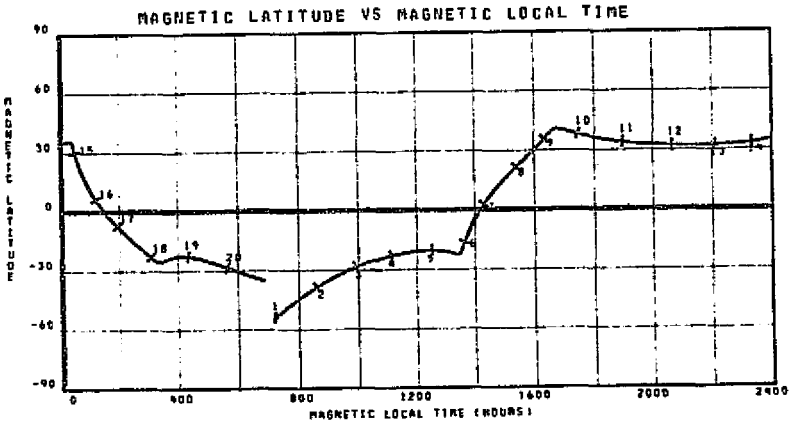
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/155/ 0.00H TO 1976/159/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/155/ 0.00H	R= 19.1RE	8 - 1976/156/ 16.00H	R= 18.0RE
2 - 1976/155/ 6.00H	R= 19.0RE	9 - 1976/156/ 20.00H	R= 17.9RE
3 - 1976/155/ 13.00H	R= 18.9RE	10 - 1976/157/ 5.00H	R= 17.8RE
4 - 1976/155/ 16.00H	R= 18.9RE	11 - 1976/157/ 10.00H	R= 17.8RE
5 - 1976/155/ 20.00H	R= 18.7RE	12 - 1976/157/ 17.00H	R= 17.9RE
6 - 1976/156/ 7.00H	R= 18.4RE	13 - 1976/157/ 21.00H	R= 18.0RE
7 - 1976/156/ 12.00H	R= 18.2RE	14 - 1976/157/ 20.00H	R= 18.0RE

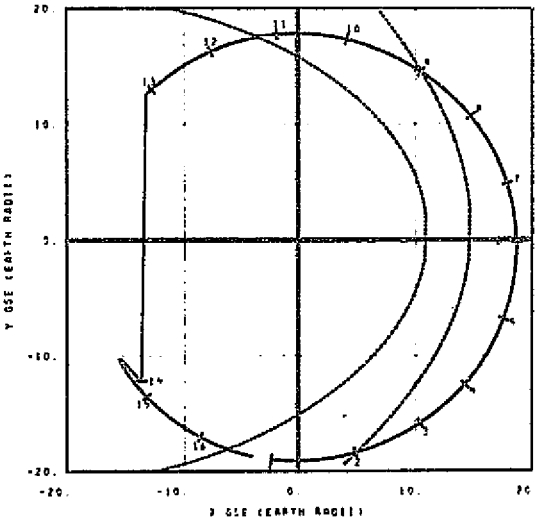
15 - 1976/158/ 4.00H	R= 18.3RE		
16 - 1976/158/ 12.00H	R= 18.5RE		
17 - 1976/158/ 15.00H	R= 18.6RE		
18 - 1976/158/ 20.00H	R= 18.8RE		
19 - 1976/159/ 7.00H	R= 19.1RE		
20 - 1976/159/ 12.00H	R= 19.1RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/155 / 0.00H TO1976/159 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/159/ 16.00H	LAT= -37.5	11 - 1976/162/ 5.00H	LAT= 48.1		
2 - 1976/159/ 23.00H	LAT= -49.3	12 - 1976/162/ 12.00H	LAT= 53.8		
3 - 1976/160/ 3.00H	LAT= -53.0	13 - 1976/162/ 20.00H	LAT= 45.3		
4 - 1976/160/ 6.00H	LAT= -53.7	14 - 1976/162/ 22.00H	LAT= 41.5		
5 - 1976/160/ 10.00H	LAT= -51.5	15 - 1976/163/ 17.00H	LAT= -3.9		
6 - 1976/160/ 15.00H	LAT= -44.5	16 - 1976/164/ 1.00H	LAT= -23.2		
7 - 1976/160/ 20.00H	LAT= -34.4				
8 - 1976/161/ 9.00H	LAT= -12.0				
9 - 1976/161/ 14.00H	LAT= 12.5				
10 - 1976/161/ 23.00H	LAT= 35.9				

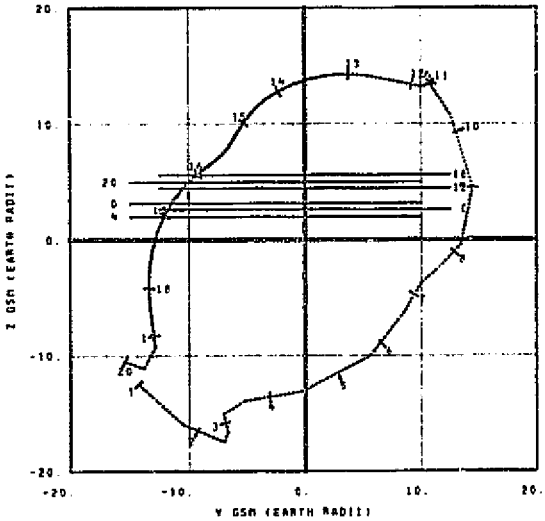
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/159/16.00H TO 1976/164/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/159/ 16.00H	R= 19.1RE	11 - 1976/161/ 22.00H	R= 17.0RE
2 - 1976/159/ 20.00H	R= 19.1RE	12 - 1976/162/ 12.00H	R= 14.0RE
3 - 1976/160/ 5.00H	R= 18.9RE	13 - 1976/162/ 16.00H	R= 13.1RE
4 - 1976/160/ 13.00H	R= 18.7RE	14 - 1976/162/ 20.00H	R= 12.2RE
5 - 1976/160/ 17.00H	R= 18.6RE	15 - 1976/163/ 0.00H	R= 11.9RE
6 - 1976/160/ 20.00H	R= 18.4RE	16 - 1976/163/ 10.00H	R= 11.7RE
7 - 1976/161/ 1.00H	R= 18.2RE	17 - 1976/163/ 14.00H	R= 10.9RE
8 - 1976/161/ 10.00H	R= 18.0RE	18 - 1976/163/ 18.00H	R= 12.0RE
9 - 1976/161/ 15.00H	R= 17.9RE	19 - 1976/163/ 21.00H	R= 13.0RE
10 - 1976/161/ 18.00H	R= 17.8RE	20 - 1976/164/ 7.00H	R= 17.1RE

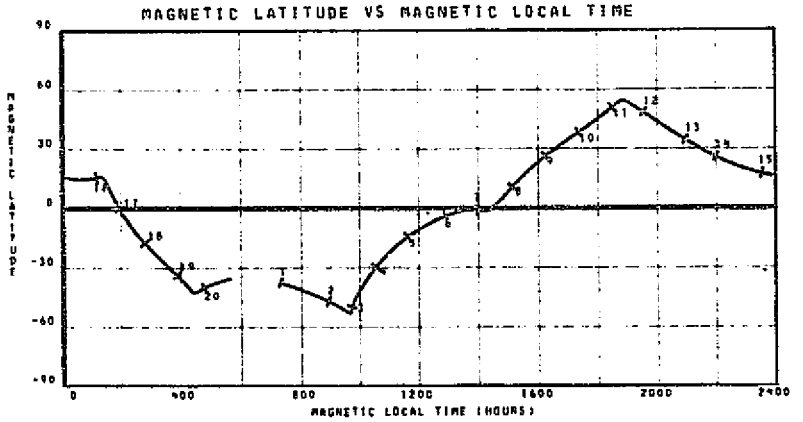
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/159/16.00H TO 1976/164/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/159/ 16.00H	R= 19.1RE	8 - 1976/161/ 10.00H	R= 18.0RE	15 - 1976/162/ 17.00H	R= 18.1RE
2 - 1976/159/ 20.00H	R= 19.1RE	9 - 1976/161/ 14.00H	R= 17.9RE	16 - 1976/163/ 0.00H	R= 18.4RE
3 - 1976/160/ 0.00H	R= 19.0RE	10 - 1976/161/ 17.00H	R= 17.8RE	17 - 1976/163/ 10.00H	R= 18.7RE
4 - 1976/160/ 10.00H	R= 18.8RE	11 - 1976/161/ 21.00H	R= 17.8RE	18 - 1976/163/ 14.00H	R= 19.0RE
5 - 1976/160/ 14.00H	R= 18.7RE	12 - 1976/162/ 5.00H	R= 17.8RE	19 - 1976/163/ 18.00H	R= 19.2RE
6 - 1976/160/ 18.00H	R= 18.5RE	13 - 1976/162/ 10.00H	R= 17.9RE	20 - 1976/164/ 3.00H	R= 19.1RE
7 - 1976/161/ 0.00H	R= 18.3RE	14 - 1976/162/ 13.00H	R= 18.0RE		

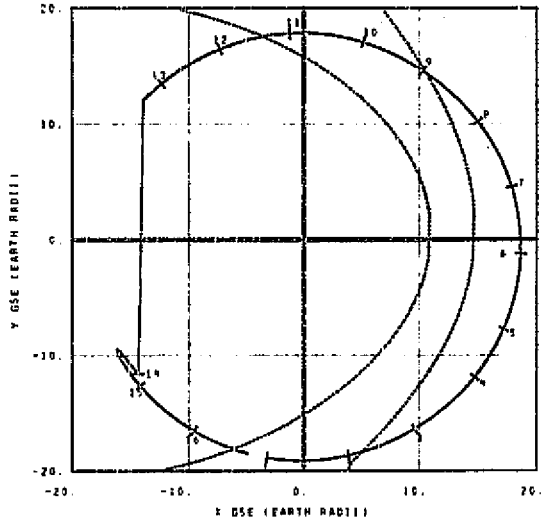
TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/159/16.00H TO1976/164/ 8.00H

ORIGINAL PAGE IS
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/164/ 8.00 H	LAT= -38.3	11 - 1976/166/ 21.00 H	LAT= 48.8		
2 - 1976/164/ 15.00 H	LAT= -49.9	12 - 1976/167/ 4.00 H	LAT= 53.8		
3 - 1976/164/ 19.00 H	LAT= -53.3	13 - 1976/167/ 11.00 H	LAT= 46.4		
4 - 1976/164/ 23.00 H	LAT= -53.5	14 - 1976/167/ 15.00 H	LAT= 38.9		
5 - 1976/165/ 2.00 H	LAT= -51.3	15 - 1976/168/ 9.00 H	LAT= -9.6		
6 - 1976/165/ 7.00 H	LAT= -44.0	16 - 1976/168/ 17.00 H	LAT= -23.8		
7 - 1976/165/ 13.00 H	LAT= -31.3				
8 - 1976/165/ 22.00 H	LAT= -8.3				
9 - 1976/166/ 8.00 H	LAT= 15.0				
10 - 1976/166/ 15.00 H	LAT= 36.8				

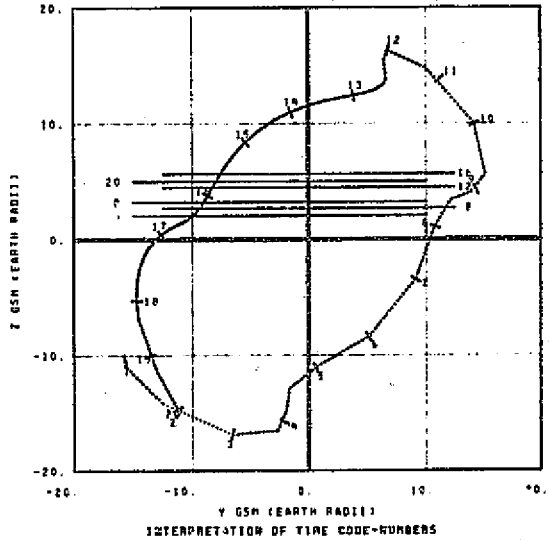
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/164/ 8.00H TO 1976/168/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/164/ 8.00 H	R= 19.1 R_E	11 - 1976/166/ 18.00 H	R= 17.6 R_E
2 - 1976/164/ 16.00 H	R= 19.0 R_E	12 - 1976/166/ 23.00 H	R= 17.9 R_E
3 - 1976/164/ 19.00 H	R= 19.0 R_E	13 - 1976/167/ 12.00 H	R= 18.3 R_E
4 - 1976/165/ 1.00 H	R= 18.8 R_E	14 - 1976/167/ 16.00 H	R= 18.4 R_E
5 - 1976/165/ 11.00 H	R= 18.5 R_E	15 - 1976/167/ 19.00 H	R= 18.5 R_E
6 - 1976/165/ 15.00 H	R= 18.3 R_E	16 - 1976/168/ 6.00 H	R= 18.7 R_E
7 - 1976/165/ 19.00 H	R= 18.2 R_E	17 - 1976/168/ 9.00 H	R= 18.9 R_E
8 - 1976/165/ 23.00 H	R= 18.0 R_E	18 - 1976/168/ 15.00 H	R= 19.1 R_E
9 - 1976/166/ 8.00 H	R= 17.9 R_E	19 - 1976/168/ 19.00 H	R= 19.1 R_E
10 - 1976/166/ 15.00 H	R= 17.8 R_E	20 - 1976/168/ 23.00 H	R= 19.1 R_E

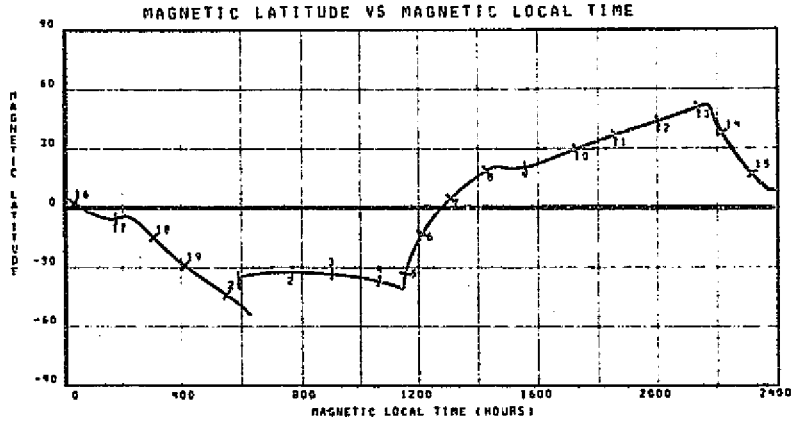
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/164/ 8.00H TO 1976/168/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

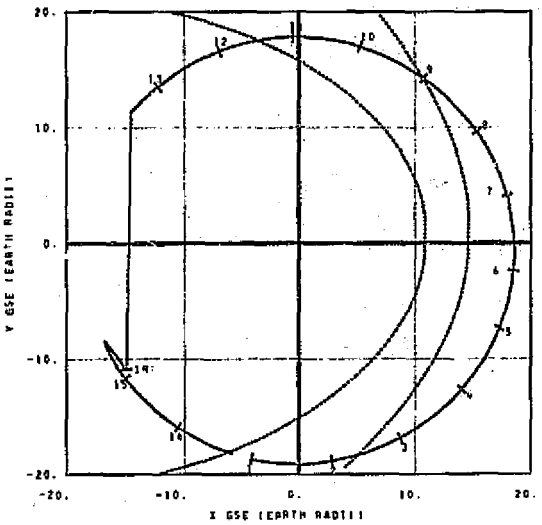
1 - 1976/164/ 8.00 H	R= 19.1 R_E	8 - 1976/165/ 20.00 H	R= 18.1 R_E
2 - 1976/164/ 15.00 H	R= 19.1 R_E	9 - 1976/166/ 5.00 H	R= 17.7 R_E
3 - 1976/164/ 16.00 H	R= 19.0 R_E	10 - 1976/166/ 12.00 H	R= 17.8 R_E
4 - 1976/164/ 20.00 H	R= 19.0 R_E	11 - 1976/166/ 15.00 H	R= 17.8 R_E
5 - 1976/165/ 8.00 H	R= 18.4 R_E	12 - 1976/166/ 18.00 H	R= 17.8 R_E
6 - 1976/165/ 11.00 H	R= 18.5 R_E	13 - 1976/166/ 22.00 H	R= 17.9 R_E
7 - 1976/165/ 19.00 H	R= 18.3 R_E	14 - 1976/167/ 7.00 H	R= 18.1 R_E
		15 - 1976/167/ 12.00 H	R= 18.3 R_E
		16 - 1976/167/ 16.00 H	R= 18.4 R_E
		17 - 1976/167/ 23.00 H	R= 18.6 R_E
		18 - 1976/168/ 10.00 H	R= 18.8 R_E
		19 - 1976/168/ 14.00 H	R= 19.0 R_E
		20 - 1976/168/ 18.00 H	R= 19.1 R_E

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/164 / 8.00H TO1976/168 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/169/	0.00H	LAT= -38.9	11 - 1976/171/	13.00H	LAT= 59.1
2 - 1976/169/	7.00H	LAT= -50.2	12 - 1976/171/	20.00H	LAT= 53.7
3 - 1976/169/	11.00H	LAT= -53.5	13 - 1976/172/	3.00H	LAT= 46.1
4 - 1976/169/	15.00H	LAT= -53.3	14 - 1976/172/	8.00H	LAT= 36.6
5 - 1976/169/	19.00H	LAT= -49.8	15 - 1976/173/	1.00H	LAT= -5.3
6 - 1976/169/	23.00H	LAT= -43.5	16 - 1976/173/	9.00H	LAT= -29.9
7 - 1976/170/	6.00H	LAT= -28.9			
8 - 1976/170/	15.00H	LAT= -5.0			
9 - 1976/171/	1.00H	LAT= 22.3			
10 - 1976/171/	8.00H	LAT= 39.4			

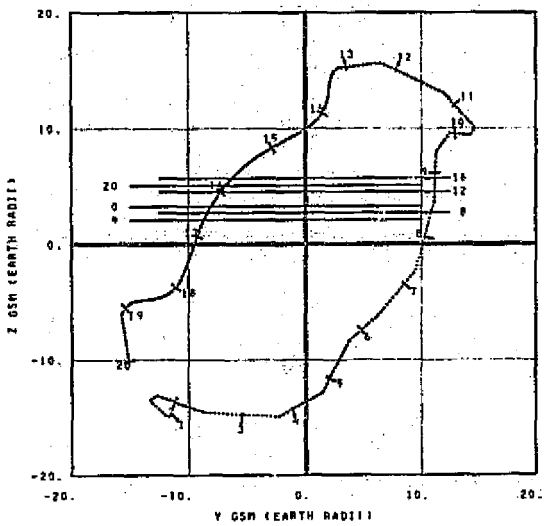
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/169/ 0.00H TO 1976/173/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/169/	0.00H	R= 19.1RE	11 - 1976/171/	14.00H	R= 17.9RE
2 - 1976/169/	13.00H	R= 18.9RE	12 - 1976/171/	18.00H	R= 18.0RE
3 - 1976/169/	17.00H	R= 18.8RE	13 - 1976/171/	22.00H	R= 18.1RE
4 - 1976/169/	20.00H	R= 18.7RE	14 - 1976/172/	7.00H	R= 18.4RE
5 - 1976/170/	1.00H	R= 18.5RE	15 - 1976/172/	11.00H	R= 18.6RE
6 - 1976/170/	9.00H	R= 18.2RE	16 - 1976/172/	17.00H	R= 18.7RE
7 - 1976/170/	14.00H	R= 18.1RE	17 - 1976/172/	20.00H	R= 18.8RE
8 - 1976/170/	17.00H	R= 18.0RE	18 - 1976/173/	1.00H	R= 19.0RE
9 - 1976/170/	21.00H	R= 17.9RE	19 - 1976/173/	10.00H	R= 19.1RE
10 - 1976/171/	4.00H	R= 17.8RE	20 - 1976/173/	15.00H	R= 19.1RE

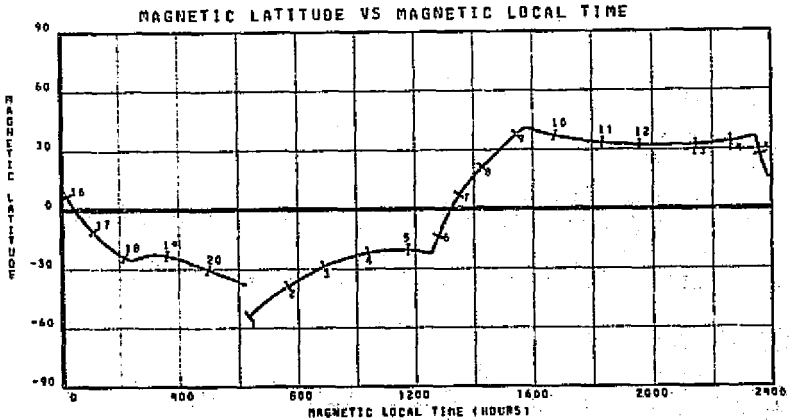
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/169/ 0.00H TO 1976/173/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/169/	0.00H	R= 19.1RE	8 - 1976/170/	15.00H	R= 18.0RE
2 - 1976/169/	8.00H	R= 19.0RE	9 - 1976/170/	20.00H	R= 17.9RE
3 - 1976/169/	12.00H	R= 19.1RE	10 - 1976/171/	5.00H	R= 17.8RE
4 - 1976/169/	16.00H	R= 18.9RE	11 - 1976/171/	10.00H	R= 17.8RE
5 - 1976/169/	20.00H	R= 18.7RE	12 - 1976/171/	13.00H	R= 17.9RE
6 - 1976/170/	1.00H	R= 18.5RE	13 - 1976/171/	17.00H	R= 17.9RE
7 - 1976/170/	12.00H	R= 18.1RE	14 - 1976/171/	20.00H	R= 18.0RE

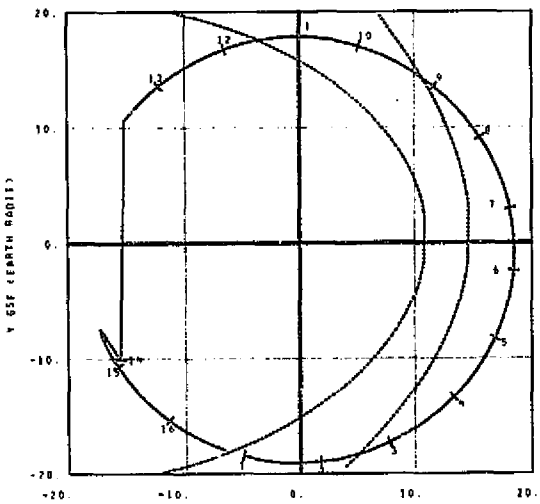
15 - 1976/172/	4.00H	R= 18.3RE			
16 - 1976/172/	11.00H	R= 18.5RE			
17 - 1976/172/	15.00H	R= 18.6RE			
18 - 1976/172/	20.00H	R= 18.8RE			
19 - 1976/173/	7.00H	R= 19.1RE			
20 - 1976/173/	12.00H	R= 19.1RE			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/169 / 0.00H TO1976/173 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/173/ 16.00H	LAT= -39.4	11 - 1976/176/ 9.00H	LAT= 69.7		
2 - 1976/173/ 23.00H	LAT= -50.5	12 - 1976/176/ 12.00H	LAT= 53.6		
3 - 1976/174/ 3.00H	LAT= -53.6	13 - 1976/176/ 19.00H	LAT= 45.9		
4 - 1976/174/ 7.00H	LAT= -53.2	14 - 1976/177/ 1.00H	LAT= 33.0		
5 - 1976/174/ 11.00H	LAT= -49.4	15 - 1976/177/ 17.00H	LAT= -6.2		
6 - 1976/ 174/ 16.00H	LAT= -41.0	16 - 1976/178/ 1.00H	LAT= -25.2		
7 - 1976/174/ 22.00H	LAT= -27.5				
8 - 1976/175/ 8.00H	LAT= -1.3				
9 - 1976/175/ 17.00H	LAT= 23.2				
10 - 1976/176/ 1.00H	LAT= 42.6				

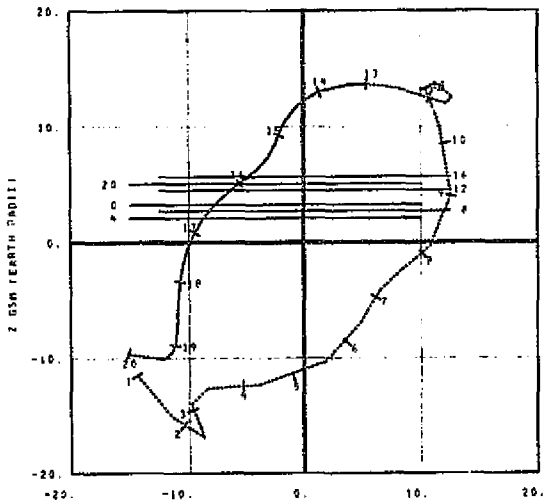
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/173/16.00H TO 1976/178/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/173/ 16.00H	R= 19.1RE	11 - 1976/176/ 23.00H	R= 17.8RE
2 - 1976/173/ 20.00H	R= 19.1RE	12 - 1976/176/ 13.00H	R= 18.0RE
3 - 1976/174/ 6.00H	R= 18.9RE	13 - 1976/176/ 17.00H	R= 18.2RE
4 - 1976/174/ 14.00H	R= 18.6RE	14 - 1976/176/ 20.00H	R= 18.3RE
5 - 1976/174/ 17.00H	R= 18.5RE	15 - 1976/177/ 2.00H	R= 18.5RE
6 - 1976/174/ 21.00H	R= 18.4RE	16 - 1976/177/ 10.00H	R= 18.3RE
7 - 1976/175/ 2.00H	R= 18.2RE	17 - 1976/177/ 15.00H	R= 18.9RE
8 - 1976/175/ 10.00H	R= 17.9RE	18 - 1976/177/ 18.00H	R= 19.0RE
9 - 1976/175/ 15.00H	R= 17.8RE	19 - 1976/177/ 23.00H	R= 19.1RE
10 - 1976/175/ 18.00H	R= 17.8RE	20 - 1976/178/ 7.00H	R= 19.1RE

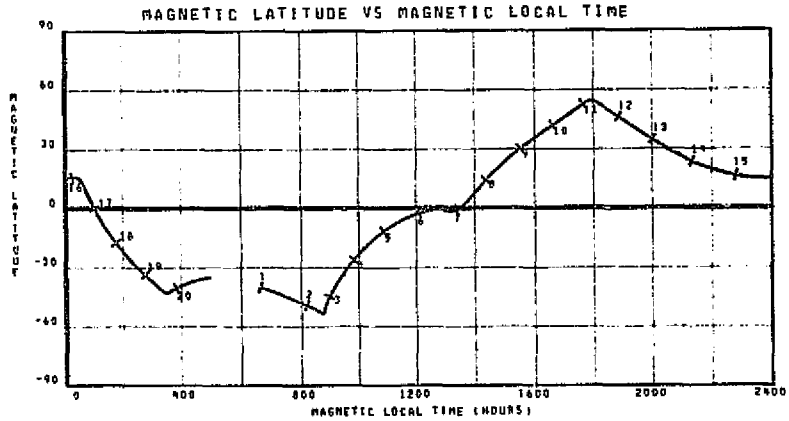
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/173/16.00H TO 1976/178/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

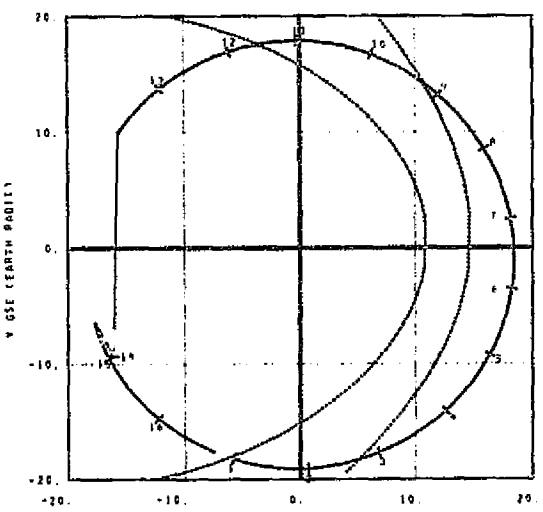
1 - 1976/173/ 16.00H	R= 19.1RE	8 - 1976/175/ 10.00H	R= 17.9RE	15 - 1976/176/ 17.00H	R= 18.2RE
2 - 1976/173/ 20.00H	R= 19.1RE	9 - 1976/175/ 14.00H	R= 17.8RE	16 - 1976/176/ 23.00H	R= 18.0RE
3 - 1976/174/ 6.00H	R= 18.9RE	10 - 1976/175/ 17.00H	R= 17.8RE	17 - 1976/177/ 9.00H	R= 18.0RE
4 - 1976/174/ 14.00H	R= 18.6RE	11 - 1976/175/ 21.00H	R= 17.9RE	18 - 1976/177/ 13.00H	R= 18.9RE
5 - 1976/174/ 18.00H	R= 18.4RE	12 - 1976/176/ 5.00H	R= 17.9RE	19 - 1976/177/ 17.00H	R= 18.8RE
6 - 1976/175/ 10.00H	R= 18.2RE	13 - 1976/176/ 9.00H	R= 17.9RE	20 - 1976/178/ 2.00H	R= 19.1RE
7 - 1976/175/ 3.00H	R= 18.1RE	14 - 1976/176/ 13.00H	R= 18.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/173/16.00H TO1976/178/ 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/178/ 8.00H	LAT= -40.1	11 - 1976/180/ 22.00H	LAT= 51.4		
2 - 1976/178/ 15.00H	LAT= -50.9	12 - 1976/181/ 9.00H	LAT= 53.6		
3 - 1976/178/ 19.00H	LAT= -53.7	13 - 1976/181/ 11.00H	LAT= 45.0		
4 - 1976/178/ 23.00H	LAT= -53.1	14 - 1976/181/ 18.00H	LAT= 30.1		
5 - 1976/179/ 3.00H	LAT= -49.1	15 - 1976/182/ 9.00H	LAT= -4.8		
6 - 1976/179/ 8.00H	LAT= -40.3	16 - 1976/182/ 17.00H	LAT= -25.8		
7 - 1976/179/ 15.00H	LAT= -24.9				
8 - 1976/180/ 1.00H	LAT= 2.3				
9 - 1976/180/ 10.00H	LAT= 24.7				
10 - 1976/180/ 17.00H	LAT= 43.3				

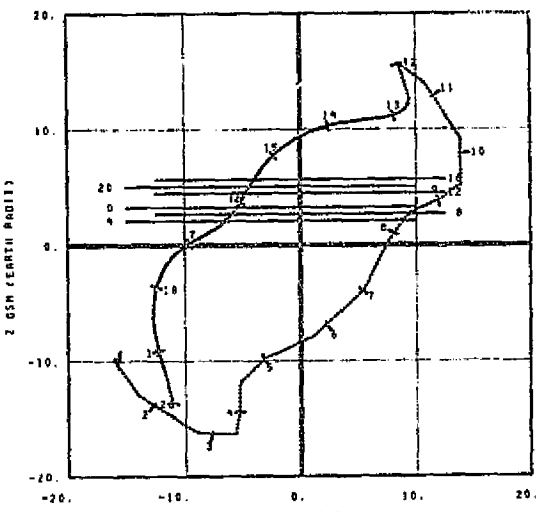
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/178/ 8.00H TO 1976/182/29.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/178/ 8.00H	R= 19.1RE	11 - 1976/180/ 18.00H	R= 17.8RE
2 - 1976/178/ 16.00H	R= 19.0RE	12 - 1976/181/ 1.00H	R= 18.0RE
3 - 1976/178/ 20.00H	R= 18.9RE	13 - 1976/181/ 11.00H	R= 18.3RE
4 - 1976/179/ 3.00H	R= 18.7RE	14 - 1976/181/ 16.00H	R= 18.4RE
5 - 1976/179/ 11.00H	R= 18.4RE	15 - 1976/181/ 20.00H	R= 18.3RE
6 - 1976/179/ 14.00H	R= 18.2RE	16 - 1976/182/ 1.00H	R= 18.0RE
7 - 1976/179/ 19.00H	R= 18.1RE	17 - 1976/182/ 9.00H	R= 19.0RE
8 - 1976/180/ 0.00H	R= 18.0RE	18 - 1976/182/ 14.00H	R= 19.1RE
9 - 1976/180/ 7.00H	R= 17.9RE	19 - 1976/182/ 18.00H	R= 19.1RE
10 - 1976/180/ 14.00H	R= 17.8RE	20 - 1976/182/ 23.00H	R= 19.1RE

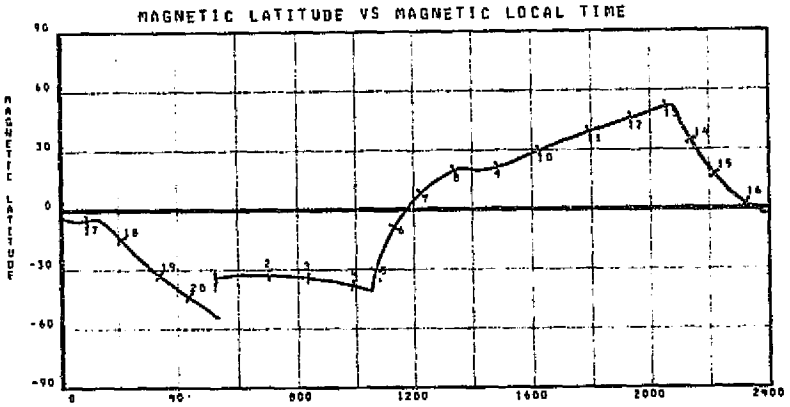
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/178/ 8.00H TO 1976/182/29.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/178/ 8.00H	R= 19.1RE	8 - 1976/179/ 20.00H	R= 18.1RE	15 - 1976/181/ 11.00H	R= 18.3RE
2 - 1976/178/ 13.00H	R= 19.0RE	9 - 1976/180/ 6.00H	R= 17.9RE	16 - 1976/181/ 19.00H	R= 18.4RE
3 - 1976/178/ 16.00H	R= 19.0RE	10 - 1976/180/ 11.00H	R= 17.8RE	17 - 1976/181/ 23.00H	R= 18.3RE
4 - 1976/178/ 20.00H	R= 18.9RE	11 - 1976/180/ 15.00H	R= 17.8RE	18 - 1976/182/ 9.00H	R= 19.0RE
5 - 1976/179/ 6.00H	R= 18.6RE	12 - 1976/180/ 18.00H	R= 17.8RE	19 - 1976/182/ 14.00H	R= 19.1RE
6 - 1976/179/ 11.00H	R= 18.4RE	13 - 1976/180/ 22.00H	R= 17.7RE	20 - 1976/182/ 17.00H	R= 19.1RE
7 - 1976/179/ 15.00H	R= 18.3RE	14 - 1976/181/ 7.00H	R= 18.1RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/178 / 8.00H TO1976/182 /29.00H

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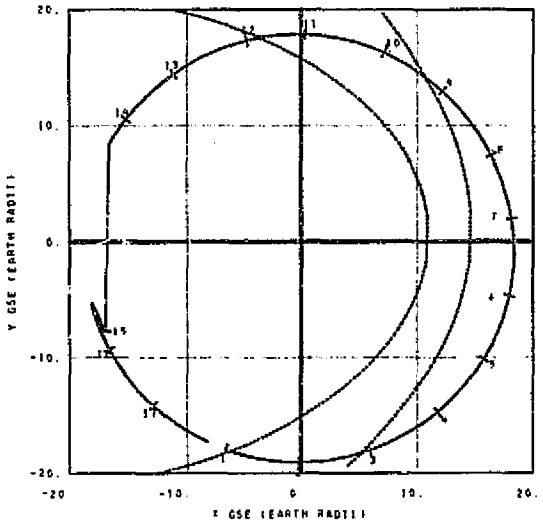
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/183/	0.00H	LAT= -42.6	11 -	1976/185/	19.00H	LAT=	51.7
2 -	1976/183/	7.00H	LAT= -51.2	12 -	1976/185/	19.05H	LAT=	53.8
3 -	1976/183/	11.00H	LAT= -53.6	13 -	1976/186/	2.00H	LAT=	46.2
4 -	1976/183/	15.00H	LAT= -53.0	14 -	1976/186/	6.00H	LAT=	33.9
5 -	1976/183/	19.00H	LAT= -48.8	15 -	1976/186/	12.00H	LAT=	24.5
6 -	1976/184/	0.00H	LAT= -40.0	16 -	1976/187/	2.00H	LAT=	-10.0
7 -	1976/184/	8.00H	LAT= -21.2	17 -	1976/187/	9.00H	LAT=	-26.5
8 -	1976/184/	17.00H	LAT= 2.9					
9 -	1976/185/	3.00H	LAT= 29.9					
10 -	1976/185/	9.00H	LAT= 43.8					

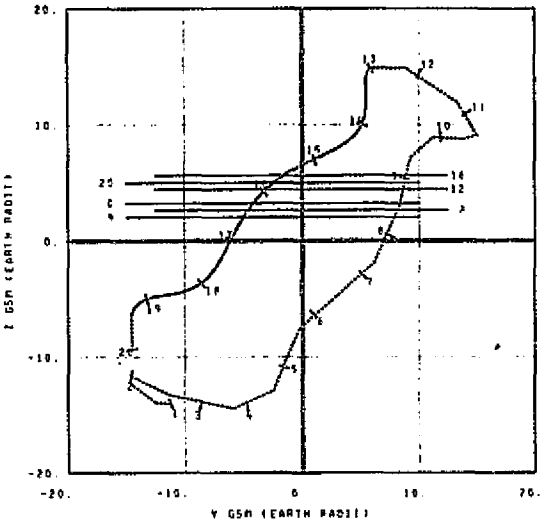
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/183/ 0.00H TO 1976/187/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/183/	0.00H	R= 19.1RE	11 -	1976/185/	19.00H	R=	17.9RE
2 -	1976/183/	11.00H	R= 19.0RE	12 -	1976/185/	18.00H	R=	18.0RE
3 -	1976/183/	17.00H	R= 18.8RE	13 -	1976/185/	23.00H	R=	18.1RE
4 -	1976/183/	20.00H	R= 18.7RE	14 -	1976/186/	7.00H	R=	18.4RE
5 -	1976/184/	2.00H	R= 18.5RE	15 -	1976/186/	13.00H	R=	18.6RE
6 -	1976/184/	9.00H	R= 18.2RE	16 -	1976/186/	17.00H	R=	18.8RE
7 -	1976/184/	14.00H	R= 18.0RE	17 -	1976/186/	21.00H	R=	18.9RE
8 -	1976/184/	17.00H	R= 17.9RE	18 -	1976/187/	2.00H	R=	19.0RE
9 -	1976/184/	21.00H	R= 17.8RE	19 -	1976/187/	9.00H	R=	19.1RE
10 -	1976/185/	4.00H	R= 17.8RE	20 -	1976/187/	15.00H	R=	19.1RE

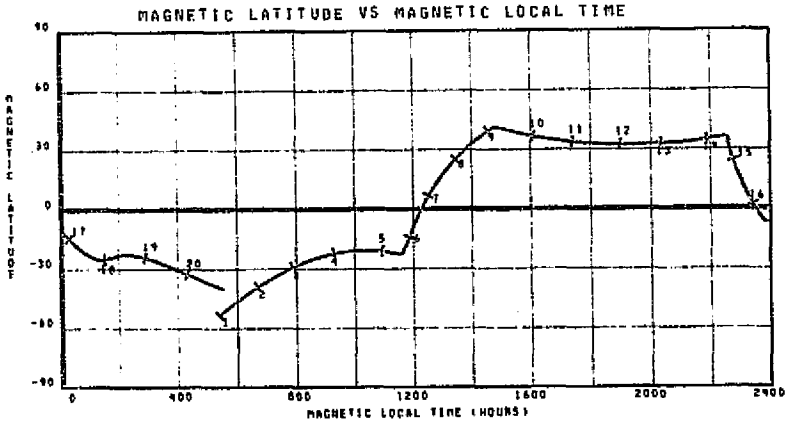
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/183/ 0.00H TO 1976/187/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

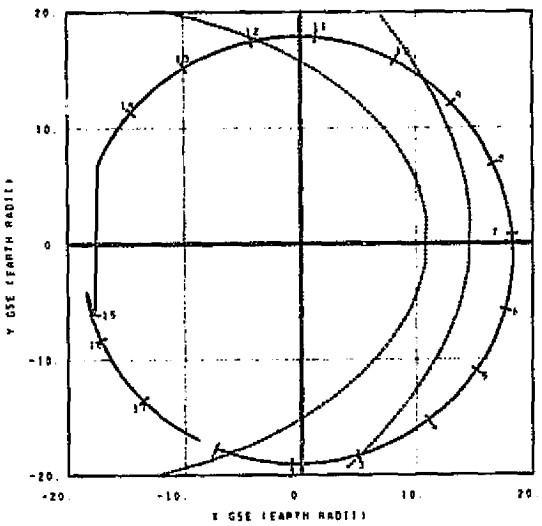
1 -	1976/183/	0.00H	R= 19.1RE	8 -	1976/184/	15.00H	R=	18.0RE
2 -	1976/183/	7.00H	R= 19.0RE	9 -	1976/184/	20.00H	R=	17.9RE
3 -	1976/183/	11.00H	R= 19.0RE	10 -	1976/185/	5.00H	R=	17.8RE
4 -	1976/18	15.00H	R= 18.8RE	11 -	1976/185/	9.00H	R=	17.8RE
5 -	1976/18	20.00H	R= 18.7RE	12 -	1976/185/	13.00H	R=	17.9RE
6 -	1976/18	6.00H	R= 18.3RE	13 -	1976/185/	16.00H	R=	17.9RE
7 -	1976/184/	11.00H	R= 18.1RE	14 -	1976/185/	20.00H	R=	18.0RE
15 -	1976/186/	6.00H	R= 18.4RE					
16 -	1976/186/	11.00H	R= 18.6RE					
17 -	1976/186/	15.00H	R= 18.7RE					
18 -	1976/186/	22.00H	R= 18.9RE					
19 -	1976/187/	7.00H	R= 19.1RE					
20 -	1976/187/	12.00H	R= 19.1RE					

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/183 / 0.00H TO1976/187 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/187/	16.00H	LAT=	-41.2	11 -	1976/190/	6.00H	LAT= 52.0
2 -	1976/187/	23.00H	LAT=	-51.5	12 -	1976/190/	11.00H	LAT= 53.7
3 -	1976/188/	3.00H	LAT=	-53.6	13 -	1976/190/	17.00H	LAT= 47.9
4 -	1976/188/	7.00H	LAT=	-52.7	14 -	1976/190/	23.00H	LAT= 35.6
5 -	1976/188/	11.00H	LAT=	-48.2	15 -	1976/191/	6.00H	LAT= 18.9
6 -	1976/188/	16.00H	LAT=	-39.2	16 -	1976/191/	18.00H	LAT= -10.8
7 -	1976/189/	0.00H	LAT=	-20.9	17 -	1976/192/	1.00H	LAT= -27.3
8 -	1976/189/	10.00H	LAT=	6.5				
9 -	1976/189/	19.00H	LAT=	30.4				
10 -	1976/190/	1.00H	LAT=	44.4				

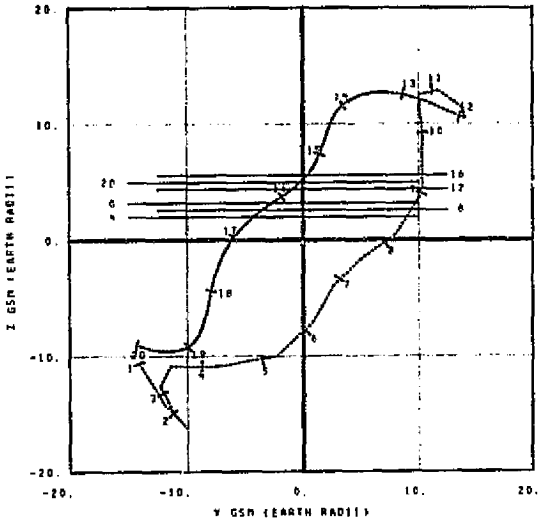
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/187/16.00H TO 1976/192/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/187/	16.00H	R=	19.1R_E	11 -	1976/190/	2.00H	R= 17.8R_E
2 -	1976/187/	20.00H	R=	19.1R_E	12 -	1976/190/	12.00H	R= 18.0R_E
3 -	1976/188/	6.00H	R=	18.9R_E	13 -	1976/190/	17.00H	R= 18.2R_E
4 -	1976/188/	14.00H	R=	18.6R_E	14 -	1976/190/	22.00H	R= 18.4R_E
5 -	1976/188/	18.00H	R=	18.4R_E	15 -	1976/191/	9.00H	R= 18.6R_E
6 -	1976/188/	22.00H	R=	18.3R_E	16 -	1976/191/	10.00H	R= 18.6R_E
7 -	1976/189/	4.00H	R=	18.1R_E	17 -	1976/191/	15.00H	R= 18.9R_E
8 -	1976/189/	10.00H	R=	17.9R_E	18 -	1976/191/	19.00H	R= 19.0R_E
9 -	1976/189/	15.00H	R=	17.8R_E	19 -	1976/192/	1.00H	R= 19.1R_E
10 -	1976/189/	19.00H	R=	17.8R_E	20 -	1976/192/	7.00H	R= 19.1R_E

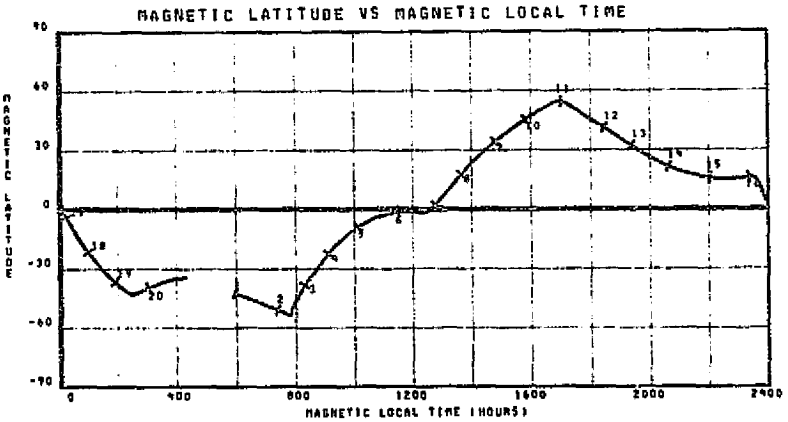
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/187/16.00H TO 1976/192/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

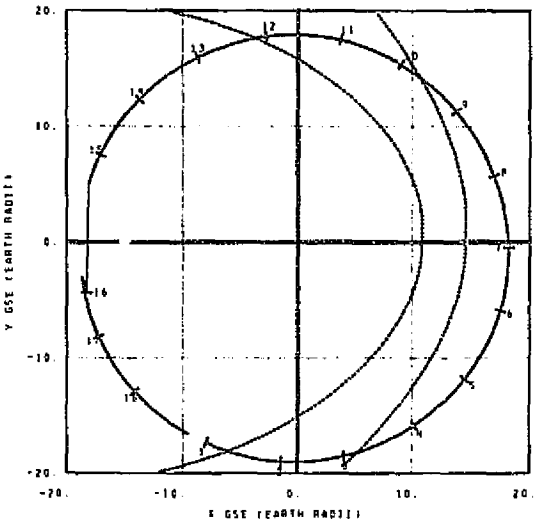
1 -	1976/187/	16.00H	R=	19.1R_E	8 -	1976/189/	10.00H	R= 17.9R_E
2 -	1976/187/	20.00H	R=	19.1R_E	9 -	1976/189/	14.00H	R= 17.9R_E
3 -	1976/188/	6.00H	R=	18.9R_E	10 -	1976/189/	17.00H	R= 17.9R_E
4 -	1976/188/	14.00H	R=	18.7R_E	11 -	1976/189/	23.00H	R= 17.8R_E
5 -	1976/188/	18.00H	R=	18.6R_E	12 -	1976/190/	6.00H	R= 17.7R_E
6 -	1976/188/	22.00H	R=	18.5R_E	13 -	1976/190/	9.00H	R= 17.8R_E
7 -	1976/189/	5.00H	R=	18.1R_E	14 -	1976/190/	13.00H	R= 18.1R_E
15 -	1976/190/	17.00H	R=	18.3R_E				
16 -	1976/190/	23.00H	R=	18.4R_E				
17 -	1976/191/	9.00H	R=	18.6R_E				
18 -	1976/191/	13.00H	R=	18.9R_E				
19 -	1976/191/	17.00H	R=	19.0R_E				
20 -	1976/192/	2.00H	R=	19.1R_E				

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/187/16.00H TO1976/192/ 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/192/	8.00 H	LAT= -61.8	11 - 1976/194/	21.00 H	LAT=	51.3
2 - 1976/192/	15.00 H	LAT= -51.9	12 - 1976/195/	2.00 H	LAT=	59.0
3 - 1976/192/	19.00 H	LAT= -39.0	13 - 1976/195/	8.00 H	LAT=	68.6
4 - 1976/192/	23.00 H	LAT= -32.6	14 - 1976/195/	14.00 H	LAT=	37.2
5 - 1976/193/	3.00 H	LAT= -47.9	15 - 1976/195/	20.00 H	LAT=	23.2
6 - 1976/193/	9.00 H	LAT= -36.5	16 - 1976/196/	8.00 H	LAT=	13.3
7 - 1976/193/	16.00 H	LAT= -19.6	17 - 1976/196/	11.00 H	LAT=	-13.9
8 - 1976/194/	2.00 H	LAT= 7.4	18 - 1976/196/	17.00 H	LAT=	-27.9
9 - 1976/194/	11.00 H	LAT= 31.5				
10 - 1976/194/	17.00 H	LAT= 45.1				

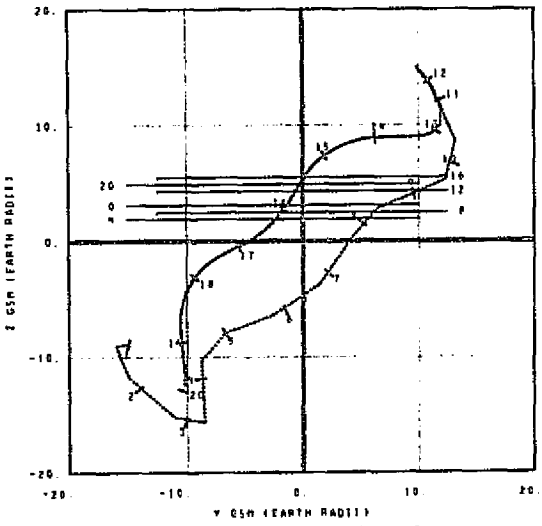
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/192/ 8.00H TO 1976/196/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/192/	8.00 H	R= 19.1RE	11 - 1976/194/	18.00 H	R= 17.8RE
2 - 1976/192/	14.00 H	R= 19.0RE	12 - 1976/195/	2.00 H	R= 18.0RE
3 - 1976/192/	20.00 H	R= 18.9RE	13 - 1976/195/	10.00 H	R= 18.3RE
4 - 1976/193/	5.00 H	R= 18.6RE	14 - 1976/195/	16.00 H	R= 18.5RE
5 - 1976/193/	11.00 H	R= 18.4RE	15 - 1976/195/	20.00 H	R= 18.6RE
6 - 1976/193/	16.00 H	R= 18.2RE	16 - 1976/196/	2.00 H	R= 18.8RE
7 - 1976/193/	20.00 H	R= 18.1RE	17 - 1976/196/	5.00 H	R= 19.0RE
8 - 1976/194/	1.00 H	R= 17.9RE	18 - 1976/196/	13.00 H	R= 19.1RE
9 - 1976/194/	7.00 H	R= 17.8RE	19 - 1976/196/	18.00 H	R= 19.1RE
10 - 1976/194/	13.00 H	R= 17.8RE	20 - 1976/196/	23.00 H	R= 19.1RE

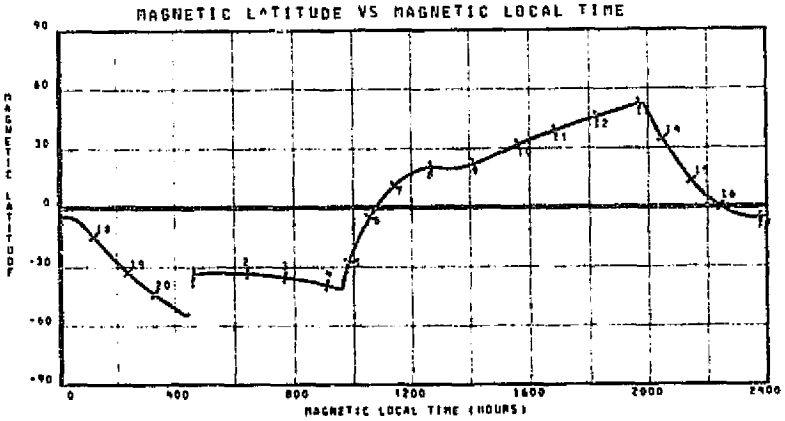
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/192/ 8.00H TO 1976/196/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

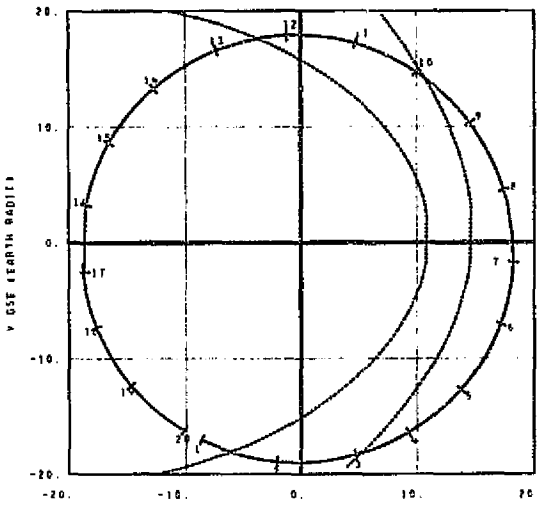
1 - 1976/192/	8.00 H	R= 19.1RE	11 - 1976/194/	21.00 H	R= 17.8RE
2 - 1976/192/	14.00 H	R= 19.0RE	12 - 1976/195/	2.00 H	R= 18.0RE
3 - 1976/192/	20.00 H	R= 18.9RE	13 - 1976/195/	8.00 H	R= 18.3RE
4 - 1976/192/	23.00 H	R= 18.8RE	14 - 1976/195/	14.00 H	R= 18.5RE
5 - 1976/193/	3.00 H	R= 18.6RE	15 - 1976/195/	20.00 H	R= 18.6RE
6 - 1976/193/	9.00 H	R= 18.4RE	16 - 1976/196/	8.00 H	R= 18.8RE
7 - 1976/193/	16.00 H	R= 18.2RE	17 - 1976/196/	11.00 H	R= 19.0RE
8 - 1976/194/	2.00 H	R= 17.9RE	18 - 1976/196/	17.00 H	R= 19.1RE
9 - 1976/194/	11.00 H	R= 17.8RE	19 - 1976/196/	18.00 H	R= 19.1RE
10 - 1976/194/	17.00 H	R= 17.8RE	20 - 1976/196/	24.00 H	R= 19.1RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/192 / 8.00H TO1976/196 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/197/ 0.00H	LAT= -42.3	11 - 1976/199/ 13.00H	LAT= 51.6
2 - 1976/197/ 7.00H	LAT= -52.1	12 - 1976/199/ 17.00H	LAT= 53.9
3 - 1976/197/ 12.00H	LAT= -53.9	13 - 1976/199/ 23.00H	LAT= 49.6
4 - 1976/197/ 15.00H	LAT= -52.3	14 - 1976/200/ 5.00H	LAT= 38.7
5 - 1976/197/ 19.00H	LAT= -47.9	15 - 1976/200/ 11.00H	LAT= 24.8
6 - 1976/198/ 1.00H	LAT= -36.0	16 - 1976/200/ 17.00H	LAT= 10.0
7 - 1976/198/ 8.00H	LAT= -19.0	17 - 1976/200/ 18.00H	LAT= 7.6
8 - 1976/198/ 18.00H	LAT= 8.1	18 - 1976/201/ 3.00H	LAT= -14.6
9 - 1976/199/ 3.00H	LAT= 32.1	19 - 1976/201/ 9.00H	LAT= -28.5
10 - 1976/199/ 9.00H	LAT= 45.5	20 - 1976/201/ 15.00H	LAT= -40.9

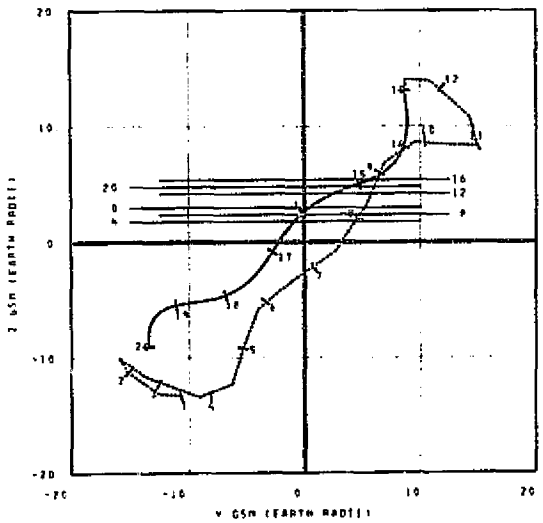
TIME AS YEAR/DAY/HOUR.

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/197/ 0.00H TO 1976/201/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/197/ 0.00H	R= 19.1RE	11 - 1976/199/ 11.00H	R= 17.4RE
2 - 1976/197/ 7.00H	R= 19.0RE	12 - 1976/199/ 14.00H	R= 16.0RE
3 - 1976/197/ 16.00H	R= 18.6RE	13 - 1976/200/ 1.00H	R= 18.2RE
4 - 1976/197/ 20.00H	R= 18.7RE	14 - 1976/200/ 7.00H	R= 18.9RE
5 - 1976/198/ 3.00H	R= 18.4RE	15 - 1976/200/ 13.00H	R= 18.7RE
6 - 1976/198/ 8.00H	R= 18.2RE	16 - 1976/200/ 18.00H	R= 13.8RE
7 - 1976/198/ 13.00H	R= 18.0RE	17 - 1976/200/ 22.00H	R= 18.9RE
8 - 1976/198/ 18.00H	R= 17.9RE	18 - 1976/201/ 4.00H	R= 19.1RE
9 - 1976/198/ 22.00H	R= 17.8RE	19 - 1976/201/ 9.00H	R= 19.1RE
10 - 1976/199/ 4.00H	R= 17.5RE	20 - 1976/201/ 15.00H	R= 19.1RE

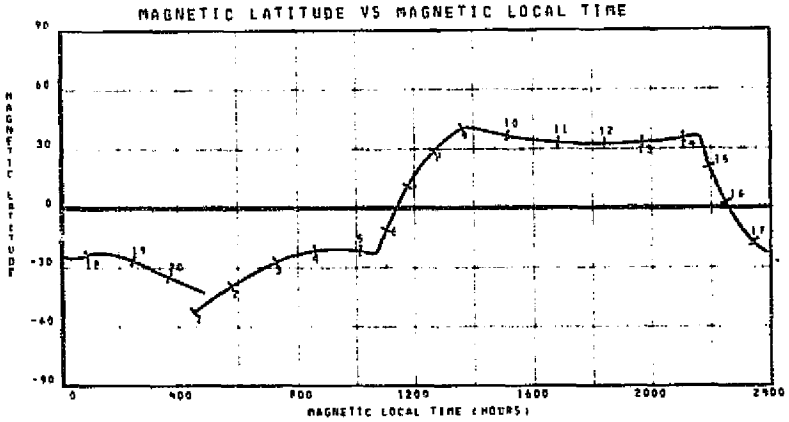
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/197/ 0.00H TO 1976/201/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

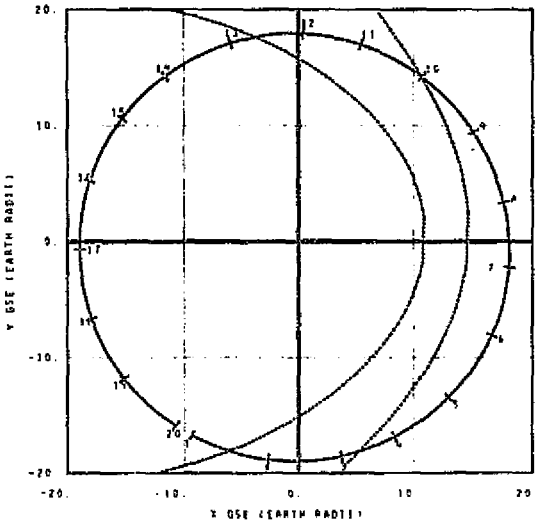
1 - 1976/197/ 0.00H	R= 19.1RE	8 - 1976/198/ 15.00H	R= 18.6RE	15 - 1976/200/ 6.00H	R= 15.4RE
2 - 1976/197/ 6.00H	R= 19.1RE	9 - 1976/198/ 20.00H	R= 17.9RE	16 - 1976/200/ 10.00H	R= 18.6RE
3 - 1976/197/ 11.00H	R= 19.0RE	10 - 1976/199/ 4.00H	R= 17.5RE	17 - 1976/200/ 15.00H	R= 18.7RE
4 - 1976/197/ 15.00H	R= 18.8RE	11 - 1976/199/ 9.00H	R= 17.2RE	18 - 1976/201/ 0.00H	R= 19.0RE
5 - 1976/197/ 20.00H	R= 18.7RE	12 - 1976/199/ 13.00H	R= 17.0RE	19 - 1976/201/ 5.00H	R= 19.1RE
6 - 1976/198/ 5.00H	R= 18.5RE	13 - 1976/199/ 16.00H	R= 16.9RE	20 - 1976/201/ 12.00H	R= 19.1RE
7 - 1976/198/ 11.00H	R= 18.1RE	14 - 1976/199/ 20.00H	R= 16.0RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/197 / 0.00H TO1976/201 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/201/	16.00 H	LAT= -42.8	11 -	1976/204/	5.00 H	LAT=	52.0
2 -	1976/201/	23.00 H	LAT= -52.3	12 -	1976/204/	8.00 H	LAT=	53.3
3 -	1976/202/	4.00 H	LAT= -53.8	13 -	1976/204/	14.00 H	LAT=	50.5
4 -	1976/202/	7.00 H	LAT= -52.0	14 -	1976/204/	20.00 H	LAT=	40.0
5 -	1976/202/	11.00 H	LAT= -44.9	15 -	1976/205/	1.00 H	LAT=	26.8
6 -	1976/202/	17.00 H	LAT= -35.2	16 -	1976/205/	7.00 H	LAT=	19.1
7 -	1976/203/	1.00 H	LAT= -15.5	17 -	1976/205/	12.00 H	LAT=	1.1
8 -	1976/203/	10.00 H	LAT= 9.0	18 -	1976/205/	19.00 H	LAT=	-15.4
9 -	1976/203/	19.00 H	LAT= 33.0	19 -	1976/206/	1.00 H	LAT=	-29.2
10 -	1976/204/	1.00 H	LAT= 46.2	20 -	1976/206/	7.00 H	LAT=	-41.5

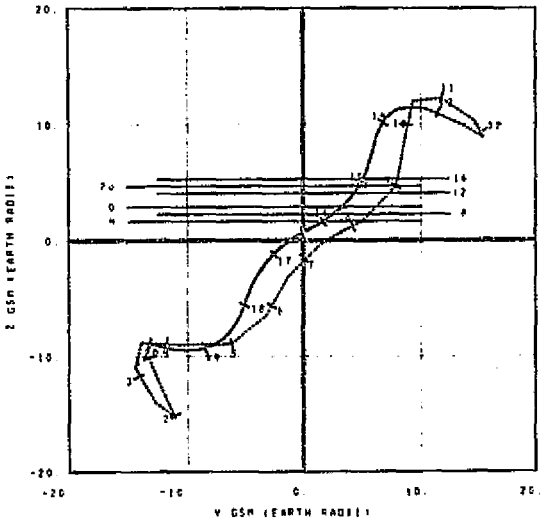
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/201/16.00H TO 1976/206/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/201/	16.00 H	R= 19.1 R_E	11 -	1976/204/	5.00 H	R= 17.8 R_E
2 -	1976/201/	22.00 H	R= 19.0 R_E	12 -	1976/204/	8.00 H	R= 18.0 R_E
3 -	1976/202/	4.00 H	R= 18.3 R_E	13 -	1976/204/	17.00 H	R= 18.2 R_E
4 -	1976/202/	14.00 H	R= 18.4 R_E	14 -	1976/204/	23.00 H	R= 18.5 R_E
5 -	1976/202/	19.00 H	R= 18.5 R_E	15 -	1976/205/	5.00 H	R= 18.7 R_E
6 -	1976/203/	0.00 H	R= 18.5 R_E	16 -	1976/205/	10.00 H	R= 18.9 R_E
7 -	1976/203/	5.00 H	R= 18.0 R_E	17 -	1976/205/	15.00 H	R= 19.0 R_E
8 -	1976/203/	10.00 H	R= 17.9 R_E	18 -	1976/205/	20.00 H	R= 19.1 R_E
9 -	1976/203/	15.00 H	R= 17.8 R_E	19 -	1976/206/	2.00 H	R= 19.2 R_E
10 -	1976/203/	20.00 H	R= 17.8 R_E	20 -	1976/206/	7.00 H	R= 19.2 R_E

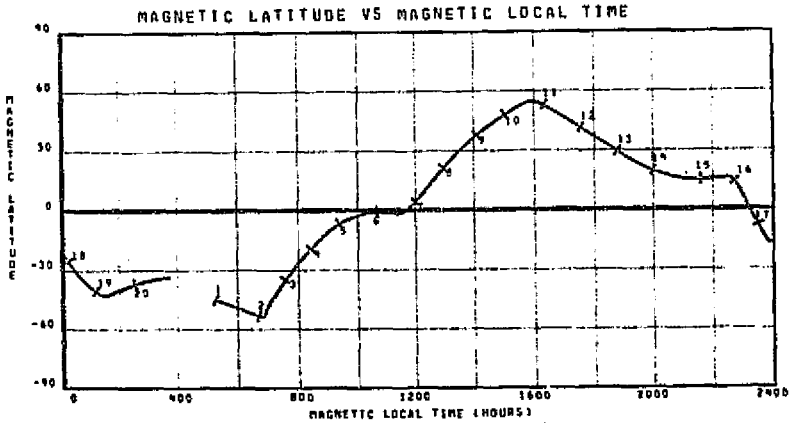
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/201/16.00H TO 1976/206/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

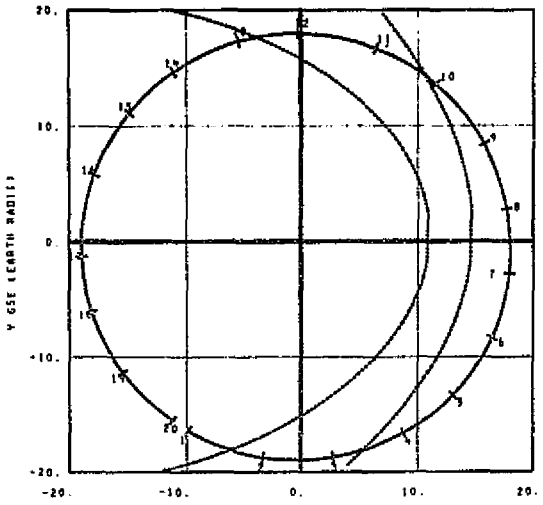
1 -	1976/201/	16.00 H	R= 19.1 R_E	8 -	1976/203/	10.00 H	R= 17.9 R_E	15 -	1976/204/	10.00 H	R= 18.3 R_E
2 -	1976/201/	21.00 H	R= 19.1 R_E	9 -	1976/203/	14.00 H	R= 17.8 R_E	16 -	1976/205/	2.00 H	R= 18.4 R_E
3 -	1976/202/	4.00 H	R= 18.3 R_E	10 -	1976/203/	17.00 H	R= 17.8 R_E	17 -	1976/205/	9.00 H	R= 18.8 R_E
4 -	1976/202/	10.00 H	R= 18.4 R_E	11 -	1976/204/	0.00 H	R= 17.8 R_E	18 -	1976/205/	13.00 H	R= 18.9 R_E
5 -	1976/202/	14.00 H	R= 18.4 R_E	12 -	1976/204/	5.00 H	R= 17.9 R_E	19 -	1976/205/	18.00 H	R= 19.1 R_E
6 -	1976/202/	19.00 H	R= 18.5 R_E	13 -	1976/204/	9.00 H	R= 18.0 R_E	20 -	1976/206/	1.00 H	R= 19.2 R_E
7 -	1976/203/	5.00 H	R= 18.0 R_E	14 -	1976/204/	13.00 H	R= 18.1 R_E				

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/201/16.00H TO1976/206/ 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/206/ 8.00H	LAT= -43.9	11 - 1976/208/ 21.00H	LAT=	52.3
2 - 1976/206/ 15.00H	LAT= -52.6	12 - 1976/209/ 1.00H	LAT=	51.6
3 - 1976/206/ 20.00H	LAT= -53.7	13 - 1976/209/ 6.00H	LAT=	50.2
4 - 1976/207/ 0.00H	LAT= -50.8	14 - 1976/209/ 12.00H	LAT=	39.6
5 - 1976/207/ 4.00H	LAT= -44.9	15 - 1976/209/ 17.00H	LAT=	26.3
6 - 1976/207/ 10.00H	LAT= -32.4	16 - 1976/209/ 23.00H	LAT=	13.6
7 - 1976/207/ 18.00H	LAT= -12.1	17 - 1976/210/ 6.00H	LAT=	-3.3
8 - 1976/208/ 3.00H	LAT= 12.6	18 - 1976/210/ 11.00H	LAT=	-15.9
9 - 1976/208/ 11.00H	LAT= 35.7	19 - 1976/210/ 17.00H	LAT=	-29.4
10 - 1976/208/ 17.00H	LAT= 46.7	20 - 1976/210/ 23.00H	LAT=	-42.9

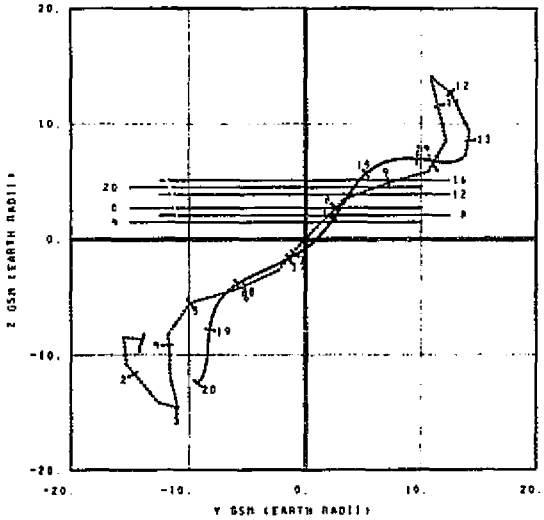
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/206/ 8.00H TO 1976/210/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/206/ 8.00H	R= 19.1R$_E$	11 - 1976/208/ 18.00H	R= 17.6R$_E$
2 - 1976/206/ 15.00H	R= 19.0R$_E$	12 - 1976/209/ 3.00H	R= 18.1R$_E$
3 - 1976/206/ 22.00H	R= 18.8R$_E$	13 - 1976/209/ 8.00H	R= 18.2R$_E$
4 - 1976/207/ 6.00H	R= 18.5R$_E$	14 - 1976/209/ 16.00H	R= 18.5R$_E$
5 - 1976/207/ 11.00H	R= 18.4R$_E$	15 - 1976/209/ 21.00H	R= 18.7R$_E$
6 - 1976/207/ 16.00H	R= 18.2R$_E$	16 - 1976/210/ 2.00H	R= 18.9R$_E$
7 - 1976/207/ 21.00H	R= 18.0R$_E$	17 - 1976/210/ 7.00H	R= 19.0R$_E$
8 - 1976/208/ 2.00H	R= 17.9R$_E$	18 - 1976/210/ 12.00H	R= 19.1R$_E$
9 - 1976/208/ 7.00H	R= 17.8R$_E$	19 - 1976/210/ 17.00H	R= 19.1R$_E$
10 - 1976/208/ 12.00H	R= 17.8R$_E$	20 - 1976/210/ 23.00H	R= 19.1R$_E$

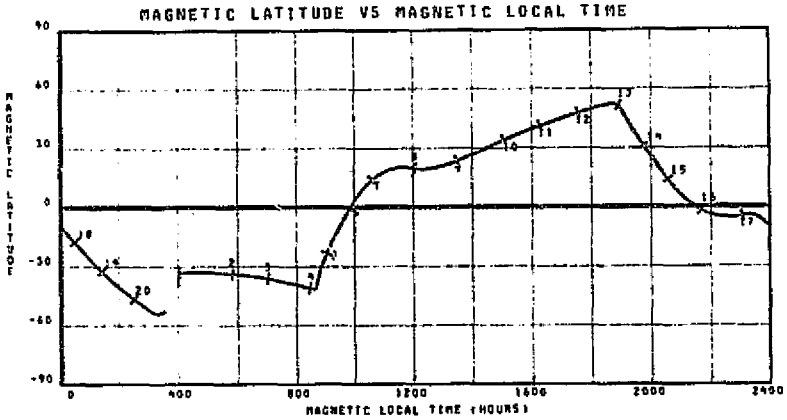
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/206/ 8.00H TO 1976/210/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

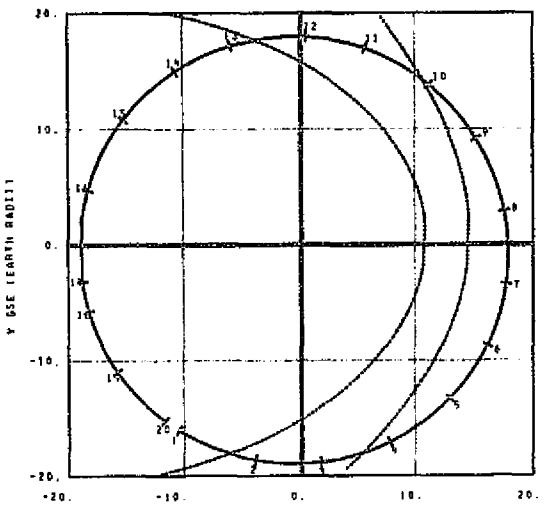
1 - 1976/206/ 8.00H	R= 19.1R$_E$	8 - 1976/207/ 23.00H	R= 17.9R$_E$
2 - 1976/206/ 15.00H	R= 19.1R$_E$	9 - 1976/208/ 6.00H	R= 17.8R$_E$
3 - 1976/206/ 16.00H	R= 19.0R$_E$	10 - 1976/208/ 11.00H	R= 17.8R$_E$
4 - 1976/206/ 21.00H	R= 18.9R$_E$	11 - 1976/208/ 14.00H	R= 17.8R$_E$
5 - 1976/207/ 6.00H	R= 18.5R$_E$	12 - 1976/208/ 17.00H	R= 17.8R$_E$
6 - 1976/207/ 11.00H	R= 18.4R$_E$	13 - 1976/208/ 23.00H	R= 17.9R$_E$
7 - 1976/207/ 15.00H	R= 18.3R$_E$	14 - 1976/209/ 6.00H	R= 18.1R$_E$
		15 - 1976/209/ 10.00H	R= 18.2R$_E$
		16 - 1976/209/ 15.00H	R= 18.5R$_E$
		17 - 1976/209/ 22.00H	R= 18.7R$_E$
		18 - 1976/210/ 8.00H	R= 19.0R$_E$
		19 - 1976/210/ 12.00H	R= 19.1R$_E$
		20 - 1976/210/ 16.00H	R= 19.1R$_E$

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/206 / 8.00H TO1976/210 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/211/ 0.00H	LAT= -43.8	11 - 1976/213/ 14.00H	LAT= 53.2		
2 - 1976/211/ 7.00H	LAT= -52.8	12 - 1976/213/ 17.00H	LAT= 53.6		
3 - 1976/211/ 12.00H	LAT= -53.7	13 - 1976/213/ 23.00H	LAT= 48.2		
4 - 1976/211/ 14.00H	LAT= -50.5	14 - 1976/214/ 4.00H	LAT= 38.5		
5 - 1976/211/ 21.00H	LAT= -42.6	15 - 1976/214/ 10.00H	LAT= 25.0		
6 - 1976/212/ 3.00H	LAT= -29.5	16 - 1976/214/ 17.00H	LAT= 7.7		
7 - 1976/212/ 11.00H	LAT= -8.6	17 - 1976/215/ 0.00H	LAT= -9.5		
8 - 1976/212/ 21.00H	LAT= 18.7	18 - 1976/215/ 3.00H	LAT= -16.8		
9 - 1976/213/ 5.00H	LAT= 39.0	19 - 1976/215/ 9.00H	LAT= -30.5		
10 - 1976/213/ 10.00H	LAT= 48.8	20 - 1976/215/ 15.00H	LAT= -42.6		

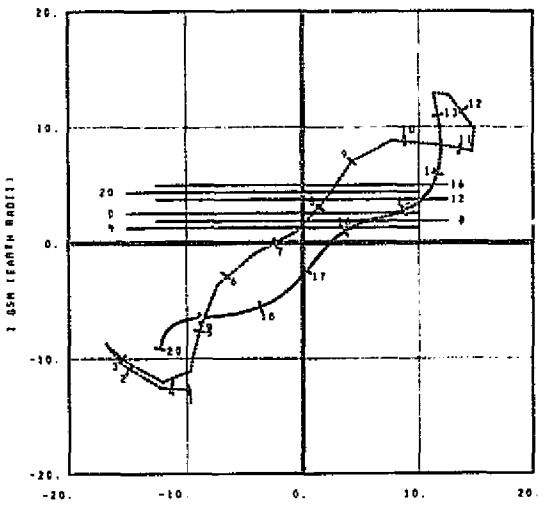
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/211/ 0.00H TO 1976/215/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/211/ 0.00H	R= 19.1RE	11 - 1976/213/ 9.00H	R= 17.8RE
2 - 1976/211/ 6.00H	R= 19.0RE	12 - 1976/213/ 17.00H	R= 18.0RE
3 - 1976/211/ 15.00H	R= 18.8RE	13 - 1976/214/ 2.00H	R= 18.3RE
4 - 1976/211/ 20.00H	R= 18.6RE	14 - 1976/214/ 7.00H	R= 18.5RE
5 - 1976/212/ 3.00H	R= 18.3RE	15 - 1976/214/ 12.00H	R= 18.7RE
6 - 1976/212/ 8.00H	R= 18.2RE	16 - 1976/214/ 18.00H	R= 18.9RE
7 - 1976/212/ 13.00H	R= 18.0RE	17 - 1976/214/ 23.00H	R= 19.0RE
8 - 1976/212/ 18.00H	R= 17.9RE	18 - 1976/215/ 4.00H	R= 19.1RE
9 - 1976/212/ 23.00H	R= 17.8RE	19 - 1976/215/ 9.00H	R= 19.2RE
10 - 1976/213/ 4.00H	R= 17.8RE	20 - 1976/215/ 15.00H	R= 19.1RE

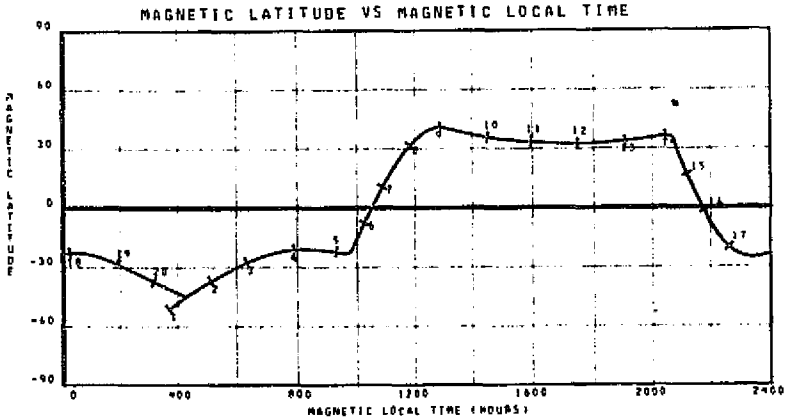
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/211/ 0.00H TO 1976/215/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

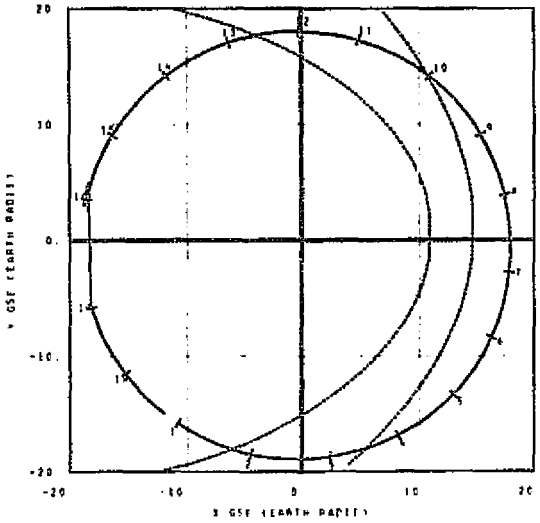
1 - 1976/211/ 0.00H	R= 19.1RE	8 - 1976/212/ 15.00H	R= 17.9RE	15 - 1976/214/ 6.00H	R= 18.4RE
2 - 1976/211/ 6.00H	R= 19.0RE	9 - 1976/212/ 21.00H	R= 17.8RE	16 - 1976/214/ 10.00H	R= 18.6RE
3 - 1976/211/ 10.00H	R= 19.0RE	10 - 1976/213/ 4.00H	R= 17.8RE	17 - 1976/214/ 15.00H	R= 18.8RE
4 - 1976/211/ 15.00H	R= 18.8RE	11 - 1976/213/ 8.00H	R= 17.8RE	18 - 1976/215/ 1.00H	R= 19.1RE
5 - 1976/211/ 20.00H	R= 18.6RE	12 - 1976/213/ 13.00H	R= 17.8RE	19 - 1976/215/ 8.00H	R= 19.1RE
6 - 1976/212/ 6.00H	R= 18.2RE	13 - 1976/213/ 16.00H	R= 17.9RE	20 - 1976/215/ 12.00H	R= 19.2RE
7 - 1976/212/ 10.00H	R= 18.1RE	14 - 1976/213/ 21.00H	R= 18.1RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/211 / 0.00H TO1976/215 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/215/ 16.00H	LAT= -49.3	11 - 1976/218/ 7.00H	LAT= 53.8
2 - 1976/215/ 23.00H	LAT= -52.9	12 - 1976/218/ 10.00H	LAT= 53.4
3 - 1976/216/ 5.00H	LAT= -52.9	13 - 1976/218/ 16.00H	LAT= 46.1
4 - 1976/216/ 9.00H	LAT= -48.4	14 - 1976/218/ 22.00H	LAT= 33.8
5 - 1976/216/ 14.00H	LAT= -34.8	15 - 1976/219/ 5.00H	LAT= 16.9
6 - 1976/216/ 21.00H	LAT= -23.6	16 - 1976/219/ 12.00H	LAT= -0.5
7 - 1976/217/ 6.00H	LAT= 0.3	17 - 1976/219/ 19.00H	LAT= -17.5
8 - 1976/217/ 16.00H	LAT= 27.5	18 - 1976/220/ 2.00H	LAT= -33.3
9 - 1976/217/ 22.00H	LAT= 41.8		
10 - 1976/218/ 3.00H	LAT= 50.4		

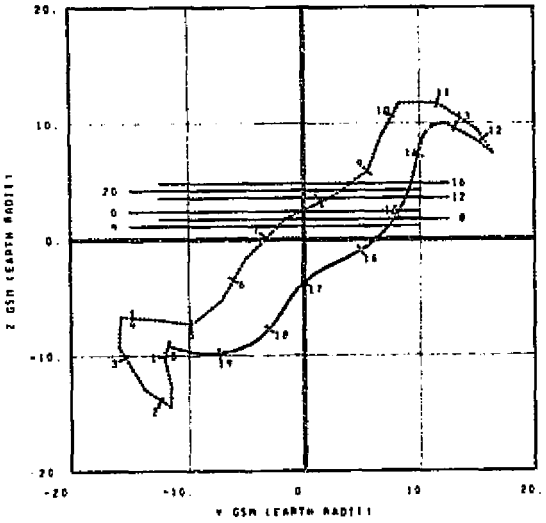
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/215/16.00H TO 1976/220/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/215/ 16.00H	R= 19.1RE	11 - 1976/218/ 3.00H	R= 17.6RE
2 - 1976/216/ 1.00H	R= 19.0RE	12 - 1976/218/ 8.00H	R= 18.4RE
3 - 1976/216/ 6.00H	R= 18.8RE	13 - 1976/218/ 10.00H	R= 18.3RE
4 - 1976/216/ 13.00H	R= 18.6RE	14 - 1976/219/ 1.00H	R= 18.5RE
5 - 1976/216/ 19.00H	R= 18.3RE	15 - 1976/219/ 6.00H	R= 18.7RE
6 - 1976/217/ 1.00H	R= 18.1RE	16 - 1976/219/ 10.00H	R= 18.9RE
7 - 1976/217/ 5.00H	R= 18.0RE	17 - 1976/219/ 16.00H	R= 19.0RE
8 - 1976/217/ 10.00H	R= 17.9RE	18 - 1976/219/ 22.00H	R= 19.1RE
9 - 1976/217/ 15.00H	R= 17.8RE	19 - 1976/220/ 3.00H	R= 19.2RE
10 - 1976/217/ 21.00H	R= 17.8RE	20 - 1976/220/ 7.00H	R= 19.2RE

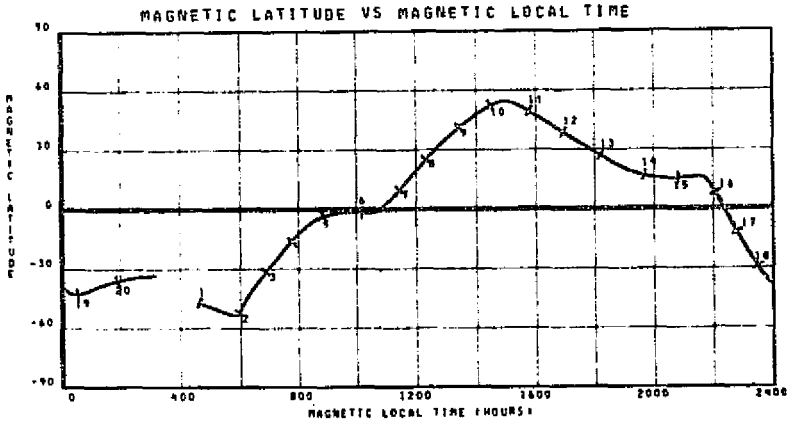
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/215/16.00H TO 1976/220/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/215/ 16.00H	R= 19.1RE	11 - 1976/218/ 3.00H	R= 17.6RE
2 - 1976/215/ 23.00H	R= 19.0RE	12 - 1976/218/ 8.00H	R= 18.4RE
3 - 1976/216/ 6.00H	R= 18.8RE	13 - 1976/218/ 10.00H	R= 18.3RE
4 - 1976/216/ 13.00H	R= 18.6RE	14 - 1976/219/ 1.00H	R= 18.5RE
5 - 1976/216/ 19.00H	R= 18.3RE	15 - 1976/219/ 6.00H	R= 18.7RE
6 - 1976/217/ 1.00H	R= 18.1RE	16 - 1976/219/ 10.00H	R= 18.9RE
7 - 1976/217/ 5.00H	R= 18.0RE	17 - 1976/219/ 16.00H	R= 19.0RE
8 - 1976/217/ 10.00H	R= 17.9RE	18 - 1976/219/ 22.00H	R= 19.1RE
9 - 1976/217/ 15.00H	R= 17.8RE	19 - 1976/220/ 3.00H	R= 19.2RE
10 - 1976/217/ 21.00H	R= 17.8RE	20 - 1976/220/ 7.00H	R= 19.2RE

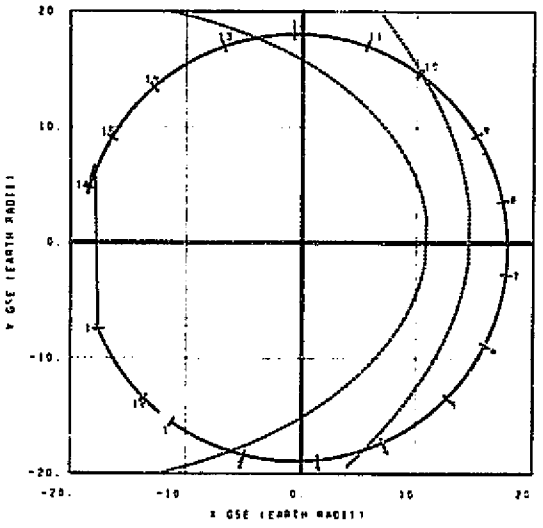
TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/215/16.00H TO 1976/220/ 8.00H

ORIGINAL PAGE IS
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/220/ 8.00H	LAT= -44.9	11 - 1976/222/ 23.00H	LAT=	53.9
2 - 1976/220/ 15.00H	LAT= -53.2	12 - 1976/223/ 3.00H	LAT=	72.5
3 - 1976/220/ 21.00H	LAT= -52.8	13 - 1976/223/ 9.00H	LAT=	45.7
4 - 1976/221/ 1.00H	LAT= -48.3	14 - 1976/223/ 16.00H	LAT=	28.4
5 - 1976/221/ 7.00H	LAT= -37.2	15 - 1976/223/ 22.00H	LAT=	13.8
6 - 1976/221/ 14.00H	LAT= -20.4	16 - 1976/224/ 9.00H	LAT=	-13.4
7 - 1976/222/ 0.00H	LAT= 6.4	17 - 1976/224/ 13.00H	LAT=	-22.8
8 - 1976/222/ 9.00H	LAT= 30.0	18 - 1976/224/ 21.00H	LAT=	-40.0
9 - 1976/222/ 15.00H	LAT= 49.5			
10 - 1976/222/ 20.00H	LAT= 52.1			

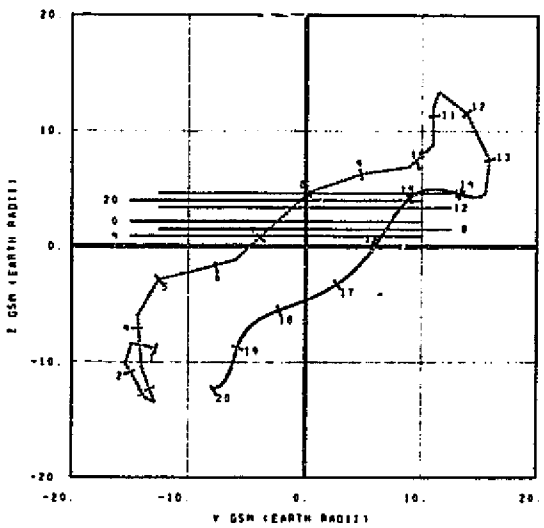
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/220/ 8.00H TO 1976/224/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/220/ 8.00H	R= 19.1RE	11 - 1976/222/ 18.00H	R= 17.6RE
2 - 1976/220/ 15.00H	R= 19.0RE	12 - 1976/223/ 3.00H	R= 18.1RE
3 - 1976/221/ 1.00H	R= 18.7RE	13 - 1976/223/ 7.00H	R= 18.2RE
4 - 1976/221/ 6.00H	R= 18.5RE	14 - 1976/223/ 15.00H	R= 18.5RE
5 - 1976/221/ 11.00H	R= 18.3RE	15 - 1976/223/ 21.00H	R= 18.7RE
6 - 1976/221/ 17.00H	R= 18 1RE	16 - 1976/224/ 2.00H	R= 18.9RE
7 - 1976/221/ 22.00H	R= 17.9RE	17 - 1976/224/ 6.00H	R= 19.0RE
8 - 1976/222/ 3.00H	R= 17.8RE	18 - 1976/224/ 11.00H	R= 19.1RE
9 - 1976/222/ 7.00H	R= 17.6RE	19 - 1976/224/ 17.00H	R= 19.2RE
10 - 1976/222/ 12.00H	R= 17.6RE	20 - 1976/224/ 23.00H	R= 19.1RE

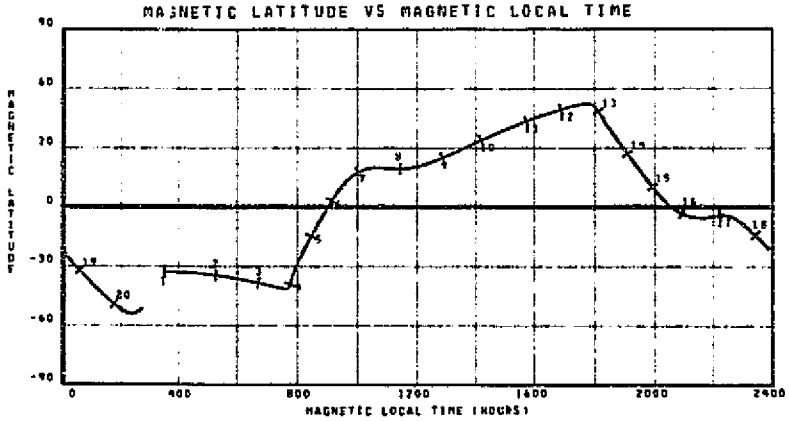
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/220/ 8.00H TO 1976/224/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

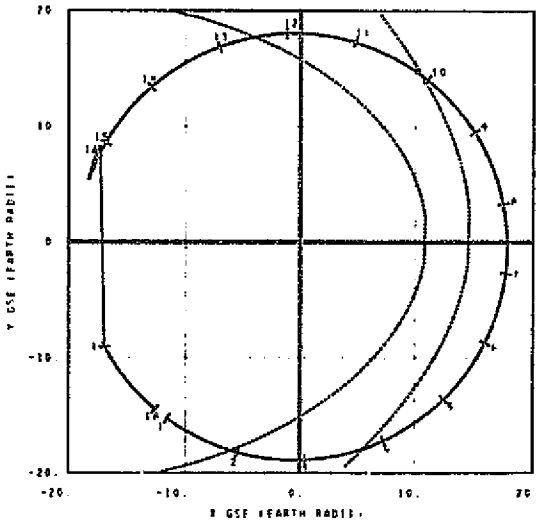
1 - 1976/220/ 8.00H	R= 19.1RE	8 - 1976/222/ 6.00H	R= 17.8RE
2 - 1976/220/ 15.00H	R= 19.0RE	9 - 1976/222/ 8.00H	R= 17.6RE
3 - 1976/220/ 17.00H	R= 19.0RE	10 - 1976/222/ 12.00H	R= 17.6RE
4 - 1976/221/ 0.00H	R= 18.8RE	11 - 1976/222/ 16.00H	R= 17.8RE
5 - 1976/221/ 7.00H	R= 18.5RE	12 - 1976/222/ 17.00H	R= 17.8RE
6 - 1976/221/ 11.00H	R= 18.3RE	13 - 1976/223/ 0.00H	R= 18.0RE
7 - 1976/221/ 15.00H	R= 18.1RE	14 - 1976/223/ 5.00H	R= 18.2RE
		15 - 1976/223/ 10.00H	R= 18.3RE
		16 - 1976/223/ 15.00H	R= 18.3RE
		17 - 1976/223/ 22.00H	R= 18.8RE
		18 - 1976/224/ 6.00H	R= 19.0RE
		19 - 1976/224/ 11.00H	R= 19.1RE
		20 - 1976/224/ 16.00H	R= 19.1RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/220 / 8.00H TO1976/224 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/225/ 0.00H	LAT= -65.3	11 - 1976/227/ 16.00H	LAT= 53.0		
2 - 1976/225/ 7.00H	LAT= -53.3	12 - 1976/227/ 20.00H	LAT= 51.0		
3 - 1976/225/ 13.00H	LAT= -52.5	13 - 1976/228/ 2.00H	LAT= 41.1		
4 - 1976/225/ 18.00H	LAT= -46.2	14 - 1976/228/ 9.00H	LAT= 25.2		
5 - 1976/226/ 0.00H	LAT= -34.3	15 - 1976/228/ 16.00H	LAT= 8.6		
6 - 1976/226/ 8.00H	LAT= -19.5	16 - 1976/229/ 5.00H	LAT= -23.5		
7 - 1976/226/ 18.00H	LAT= 12.8	17 - 1976/229/ 7.00H	LAT= -28.8		
8 - 1976/227/ 2.00H	LAT= 33.9	18 - 1976/229/ 15.00H	LAT= -49.1		
9 - 1976/227/ 8.00H	LAT= 46.8				
10 - 1976/227/ 12.00H	LAT= 52.3				

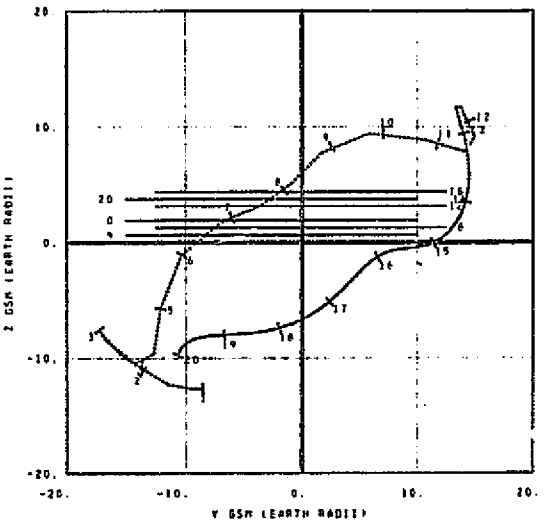
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/225/ 0.00H TO 1976/229/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/225/ 0.00H	R= 19.1RE	11 - 1976/227/ 8.00H	R= 17.8RE
2 - 1976/225/ 5.00H	R= 19.1RE	12 - 1976/227/ 12.00H	R= 18.0RE
3 - 1976/225/ 11.00H	R= 18.9RE	13 - 1976/228/ 2.00H	R= 18.3RE
4 - 1976/225/ 20.00H	R= 18.6RE	14 - 1976/228/ 7.00H	R= 18.5RE
5 - 1976/226/ 3.00H	R= 18.3RE	15 - 1976/228/ 12.00H	R= 18.7RE
6 - 1976/226/ 7.00H	R= 18.2RE	16 - 1976/228/ 19.00H	R= 18.9RE
7 - 1976/226/ 12.00H	R= 18.0RE	17 - 1976/229/ 1.00H	R= 19.1RE
8 - 1976/226/ 18.00H	R= 17.8RE	18 - 1976/229/ 5.00H	R= 19.1RE
9 - 1976/227/ 0.00H	R= 17.8RE	19 - 1976/229/ 9.00H	R= 19.2RE
10 - 1976/227/ 4.00H	R= 17.8RE	20 - 1976/229/ 15.00H	R= 19.3RE

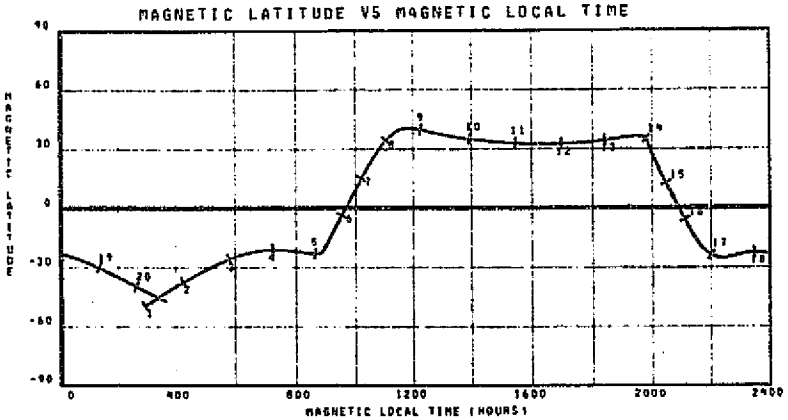
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/225/ 0.00H TO 1976/229/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/225/ 0.00H	R= 19.1RE	8 - 1976/226/ 15.00H	R= 17.9RE
2 - 1976/225/ 5.00H	R= 19.1RE	9 - 1976/226/ 22.00H	R= 17.8RE
3 - 1976/225/ 10.00H	R= 18.9RE	10 - 1976/227/ 4.00H	R= 17.8RE
4 - 1976/225/ 15.00H	R= 18.6RE	11 - 1976/227/ 8.00H	R= 17.8RE
5 - 1976/227/ 21.00H	R= 18.5RE	12 - 1976/227/ 12.00H	R= 17.9RE
6 - 1976/226/ 6.00H	R= 18.2RE	13 - 1976/227/ 16.00H	R= 18.0RE
7 - 1976/226/ 10.00H	R= 18.1RE	14 - 1976/227/ 23.00H	R= 18.2RE

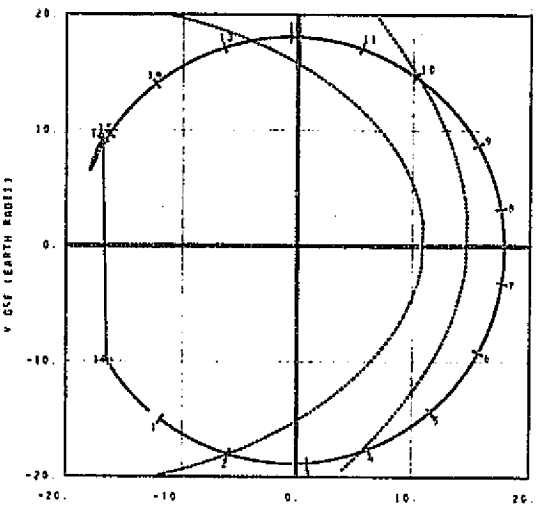
15 - 1976/228/ 6.00H	R= 18.5RE
16 - 1976/228/ 10.00H	R= 18.6RE
17 - 1976/228/ 14.00H	R= 18.8RE
18 - 1976/229/ 1.00H	R= 19.1RE
19 - 1976/229/ 8.00H	R= 19.2RE
20 - 1976/229/ 12.00H	R= 19.2RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/225 / 0.00H TO1976/229 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/229/	16.00 H	LAT= -45.7	11 - 1976/232/	8.00 H	LAT=	53.7
2 - 1976/229/	23.00 H	LAT= -51.4	12 - 1976/232/	12.00 H	LAT=	50.6
3 - 1976/230/	6.00 H	LAT= -51.2	13 - 1976/232/	16.00 H	LAT=	40.3
4 - 1976/230/	10.00 H	LAT= -45.7	14 - 1976/233/	1.00 H	LAT=	24.4
5 - 1976/230/	16.00 H	LAT= -33.6	15 - 1976/233/	8.00 H	LAT=	7.1
6 - 1976/231/	1.00 H	LAT= -10.9	16 - 1976/233/	23.00 H	LAT=	-26.8
7 - 1976/231/	11.00 H	LAT= 16.5	17 - 1976/234/	0.00 H	LAT=	-31.0
8 - 1976/231/	19.00 H	LAT= 37.2				
9 - 1976/232/	6.00 H	LAT= 47.5				
10 - 1976/232/	5.00 H	LAT= 53.3				

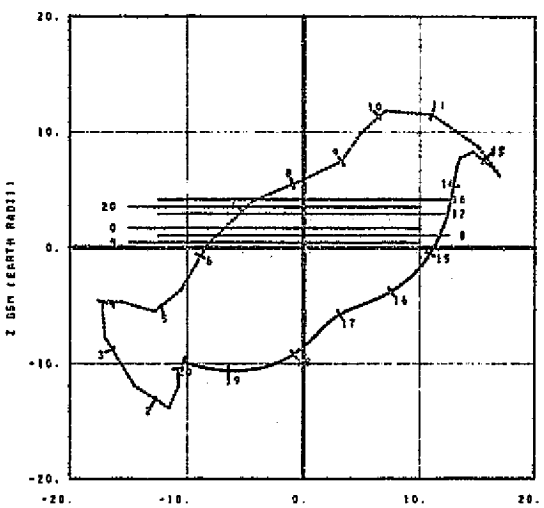
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/229/16.00H TO 1976/234/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/229/	16.00 H	R= 19.1 R_E	11 - 1976/232/	3.00 H	R= 17.8 R_E
2 - 1976/230/	1.00 H	R= 19.0 R_E	12 - 1976/232/	8.00 H	R= 18.0 R_E
3 - 1976/230/	6.00 H	R= 18.8 R_E	13 - 1976/232/	17.00 H	R= 18.3 R_E
4 - 1976/230/	11.00 H	R= 18.6 R_E	14 - 1976/233/	1.00 H	R= 18.4 R_E
5 - 1976/230/	20.00 H	R= 18.3 R_E	15 - 1976/233/	6.00 H	R= 18.6 R_E
6 - 1976/231/	2.00 H	R= 18.0 R_E	16 - 1976/233/	10.00 H	R= 18.9 R_E
7 - 1976/231/	6.00 H	R= 17.9 R_E	17 - 1976/233/	16.00 H	R= 19.1 R_E
8 - 1976/231/	10.00 H	R= 17.8 R_E	18 - 1976/233/	23.00 H	R= 19.2 R_E
9 - 1976/231/	15.00 H	R= 17.8 R_E	19 - 1976/234/	4.00 H	R= 19.2 R_E
10 - 1976/231/	22.00 H	R= 17.8 R_E	20 - 1976/234/	7.00 H	R= 19.2 R_E

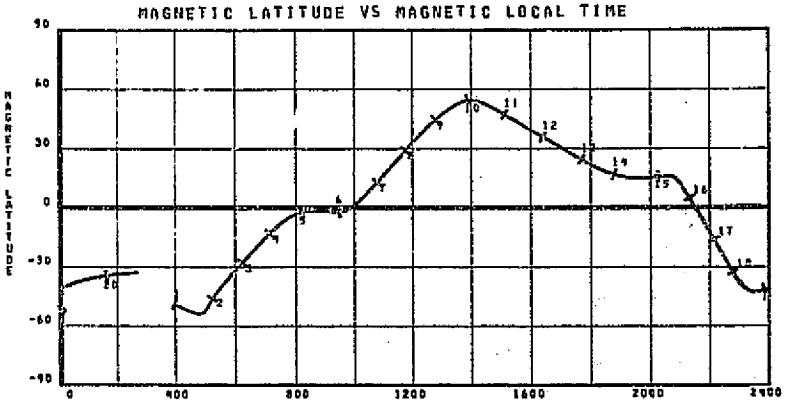
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/229/16.00H TO 1976/234/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

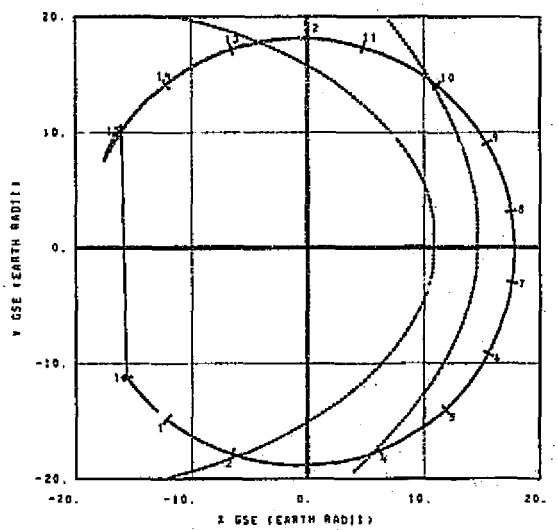
1 - 1976/229/	16.00 H	R= 19.1 R_E	8 - 1976/231/	10.00 H	R= 17.8 R_E	15 - 1976/232/	19.00 H	R= 18.4 R_E
2 - 1976/230/	1.00 H	R= 19.0 R_E	9 - 1976/231/	14.00 H	R= 17.8 R_E	16 - 1976/233/	4.00 H	R= 18.7 R_E
3 - 1976/230/	6.00 H	R= 18.8 R_E	10 - 1976/231/	17.00 H	R= 17.8 R_E	17 - 1976/233/	9.00 H	R= 19.0 R_E
4 - 1976/230/	11.00 H	R= 18.6 R_E	11 - 1976/231/	1.00 H	R= 17.8 R_E	18 - 1976/233/	15.00 H	R= 19.2 R_E
5 - 1976/230/	19.00 H	R= 18.4 R_E	12 - 1976/232/	5.00 H	R= 17.9 R_E	19 - 1976/233/	21.00 H	R= 19.2 R_E
6 - 1976/230/	22.00 H	R= 18.2 R_E	13 - 1976/232/	9.00 H	R= 18.0 R_E	20 - 1976/234/	4.00 H	R= 19.2 R_E
7 - 1976/231/	6.00 H	R= 17.9 R_E	14 - 1976/232/	13.00 H	R= 18.1 R_E			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/229/16.00H TO1976/234/ 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/234/ 8.00H	LAT= -46.2	11 - 1976/237/ 1.00H	LAT= 53.2		
2 - 1976/234/ 15.00H	LAT= -53.5	12 - 1976/237/ 4.00H	LAT= 50.3		
3 - 1976/234/ 22.00H	LAT= -50.9	13 - 1976/237/ 11.00H	LAT= 37.7		
4 - 1976/235/ 5.00H	LAT= -43.5	14 - 1976/237/ 18.00H	LAT= 21.9		
5 - 1976/235/ 10.00H	LAT= -28.2	15 - 1976/238/ 2.00H	LAT= 1.6		
6 - 1976/235/ 19.00H	LAT= -9.7	16 - 1976/238/ 10.00H	LAT= -35.7		
7 - 1976/236/ 5.00H	LAT= 22.7				
8 - 1976/236/ 12.00H	LAT= 40.1				
9 - 1976/236/ 17.00H	LAT= 49.5				
10 - 1976/236/ 21.00H	LAT= 53.4				

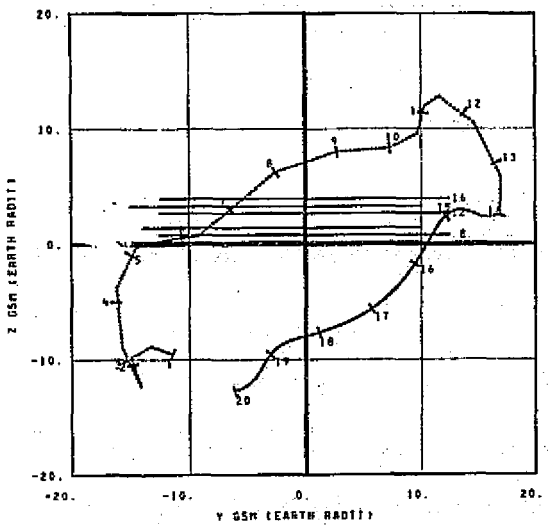
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/234/ 8.00H TO 1976/238/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/234/ 8.00H	R= 19.2RE	11 - 1976/236/ 18.00H	R= 17.8RE
2 - 1976/234/ 16.00H	R= 19.0RE	12 - 1976/237/ 2.00H	R= 18.1RE
3 - 1976/235/ 2.00H	R= 18.7RE	13 - 1976/237/ 6.00H	R= 18.2RE
4 - 1976/235/ 6.00H	R= 18.5RE	14 - 1976/237/ 11.00H	R= 18.4RE
5 - 1976/235/ 10.00H	R= 18.3RE	15 - 1976/237/ 21.00H	R= 18.8RE
6 - 1976/235/ 17.00H	R= 18.1RE	16 - 1976/238/ 2.00H	R= 18.9RE
7 - 1976/235/ 21.00H	R= 17.9RE	17 - 1976/238/ 6.00H	R= 19.0RE
8 - 1976/236/ 1.00H	R= 17.8RE	18 - 1976/238/ 10.00H	R= 19.1RE
9 - 1976/236/ 7.00H	R= 17.8RE	19 - 1976/238/ 16.00H	R= 19.2RE
10 - 1976/236/ 11.00H	R= 17.8RE	20 - 1976/238/ 23.00H	R= 19.1RE

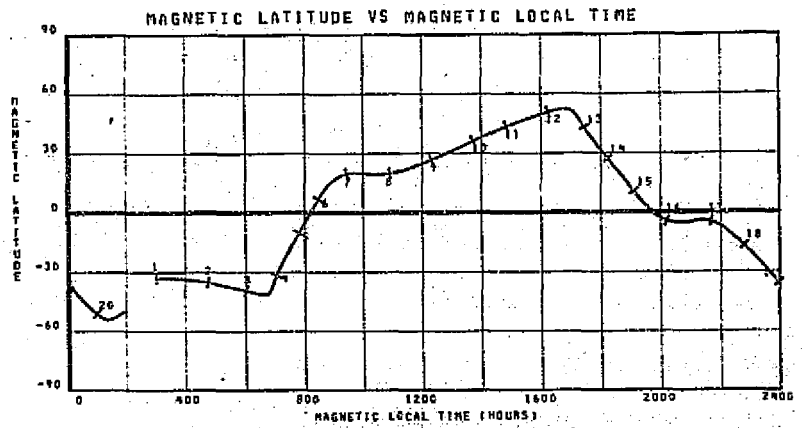
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/234/ 8.00H TO 1976/238/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

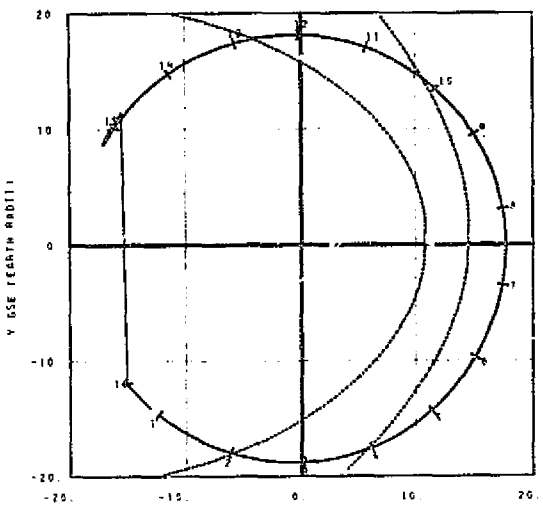
1 - 1976/234/ 8.00H	R= 19.2RE	8 - 1976/236/ 1.00H	R= 17.8RE	15 - 1976/237/ 9.00H	R= 18.3RE
2 - 1976/234/ 15.00H	R= 19.1RE	9 - 1976/236/ 6.00H	R= 17.8RE	16 - 1976/237/ 15.00H	R= 18.7RE
3 - 1976/234/ 17.00H	R= 19.0RE	10 - 1976/236/ 10.00H	R= 17.8RE	17 - 1976/238/ 0.00H	R= 18.9RE
4 - 1976/235/ 2.00H	R= 18.7RE	11 - 1976/236/ 13.00H	R= 17.8RE	18 - 1976/238/ 6.00H	R= 19.0RE
5 - 1976/235/ 7.00H	R= 18.4RE	12 - 1976/236/ 17.00H	R= 17.8RE	19 - 1976/238/ 11.00H	R= 19.1RE
6 - 1976/235/ 11.00H	R= 18.3RE	13 - 1976/237/ 1.00H	R= 18.0RE	20 - 1976/238/ 16.00H	R= 19.2RE
7 - 1976/235/ 17.00H	R= 18.1RE	14 - 1976/237/ 5.00H	R= 18.2RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/234/ 8.00H TO1976/238/24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/239/ 0.00H	LAT= -46.6	11 - 1976/241/ 17.00H	LAT= 52.9		
2 - 1976/239/ 8.00H	LAT= -53.8	12 - 1976/241/ 21.00H	LAT= 48.3		
3 - 1976/239/ 15.00H	LAT= -49.9	13 - 1976/242/ 3.00H	LAT= 36.9		
4 - 1976/239/ 20.00H	LAT= -41.0	14 - 1976/242/ 10.00H	LAT= 20.9		
5 - 1976/240/ 3.00H	LAT= -25.1	15 - 1976/242/ 19.00H	LAT= -1.6		
6 - 1976/240/ 12.00H	LAT= -1.3	16 - 1976/243/ 11.00H	LAT= -38.9		
7 - 1976/240/ 22.00H	LAT= 26.0				
8 - 1976/241/ 5.00H	LAT= 42.8				
9 - 1976/241/ 10.00H	LAT= 51.1				
10 - 1976/241/ 13.00H	LAT= 53.5				

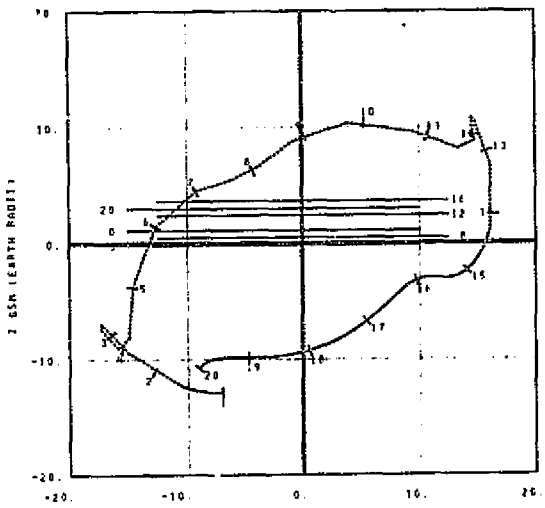
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/239/ 0.00H TO 1976/243/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/239/ 0.00H	R= 19.1RE	11 - 1976/241/ 8.00H	R= 17.8RE
2 - 1976/239/ 5.00H	R= 19.1RE	12 - 1976/241/ 16.00H	R= 18.0RE
3 - 1976/239/ 9.00H	R= 19.0RE	13 - 1976/242/ 2.00H	R= 18.3RE
4 - 1976/239/ 20.00H	R= 18.6RE	14 - 1976/242/ 6.00H	R= 18.5RE
5 - 1976/240/ 3.00H	R= 18.3RE	15 - 1976/242/ 11.00H	R= 18.7RE
6 - 1976/240/ 7.00H	R= 18.1RE	16 - 1976/242/ 19.00H	R= 19.0RE
7 - 1976/240/ 11.00H	R= 18.0RE	17 - 1976/243/ 1.00H	R= 19.1RE
8 - 1976/240/ 18.00H	R= 17.8RE	18 - 1976/243/ 5.00H	R= 19.2RE
9 - 1976/241/ 0.00H	R= 17.7RE	19 - 1976/243/ 9.00H	R= 19.2RE
10 - 1976/241/ 4.00H	R= 17.7RE	20 - 1976/243/ 13.00H	R= 19.1RE

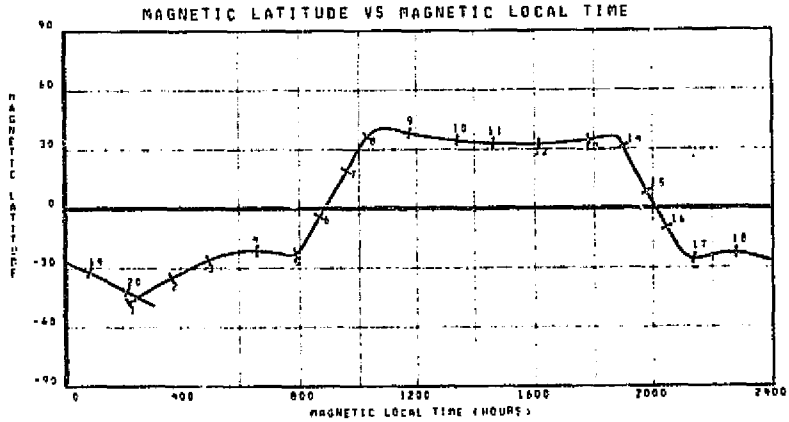
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/239/ 0.00H TO 1976/243/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

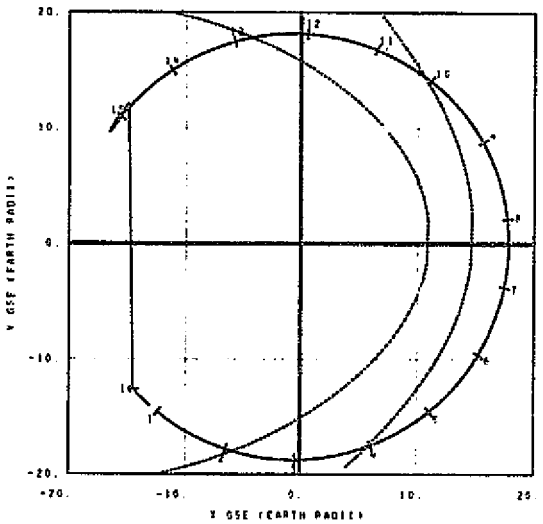
1 - 1976/239/ 0.00H	R= 19.1RE	8 - 1976/240/ 15.00H	R= 17.9RE	15 - 1976/242/ 4.00H	R= 18.5RE
2 - 1976/239/ 5.00H	R= 19.1RE	9 - 1976/240/ 23.00H	R= 17.7RE	16 - 1976/242/ 10.00H	R= 18.7RE
3 - 1976/239/ 9.00H	R= 19.0RE	10 - 1976/241/ 4.00H	R= 17.7RE	17 - 1976/242/ 17.00H	R= 18.9RE
4 - 1976/239/ 15.00H	R= 18.8RE	11 - 1976/241/ 7.00H	R= 17.8RE	18 - 1976/243/ 1.00H	R= 19.1RE
5 - 1976/239/ 22.00H	R= 18.5RE	12 - 1976/241/ 11.00H	R= 17.8RE	19 - 1976/243/ 8.00H	R= 19.2RE
6 - 1976/240/ 5.00H	R= 18.2RE	13 - 1976/241/ 16.00H	R= 18.0RE	20 - 1976/243/ 12.00H	R= 19.2RE
7 - 1976/240/ 10.00H	R= 18.0RE	14 - 1976/242/ 0.00H	R= 18.3RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/239 / 0.00H TO1976/243 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



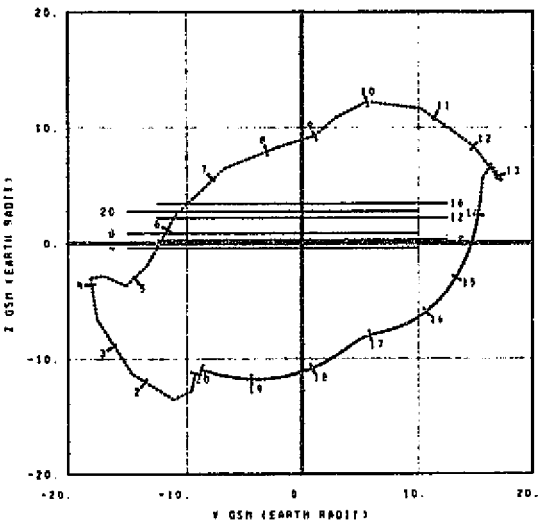
INTERPRETATION OF TIME CODE-NUMBERS

1: 1976/243/ 16.00H	LAT= -47.1	11- 1976/246/ 9.00H	LAT= 52.7
2- 1976/244/ 0.00H	LAT= -53.7	12- 1976/246/ 13.00H	LAT= 47.9
3- 1976/244/ 7.00H	LAT= -48.8	13- 1976/246/ 20.00H	LAT= 34.0
4- 1976/244/ 11.00H	LAT= -38.1	14- 1976/247/ 3.00H	LAT= 17.2
5- 1976/244/ 20.00H	LAT= -21.6	15- 1976/247/ 12.00H	LAT= -5.0
6- 1976/245/ 6.00H	LAT= 5.3	16- 1976/248/ 9.00H	LAT= -40.9
7- 1976/245/ 15.00H	LAT= 29.5		
8- 1976/245/ 21.00H	LAT= 43.4		
9- 1976/246/ 2.00H	LAT= 51.4		
10- 1976/246/ 6.00H	LAT= 53.8		

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/243/16.00H TO 1976/248/ 9.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



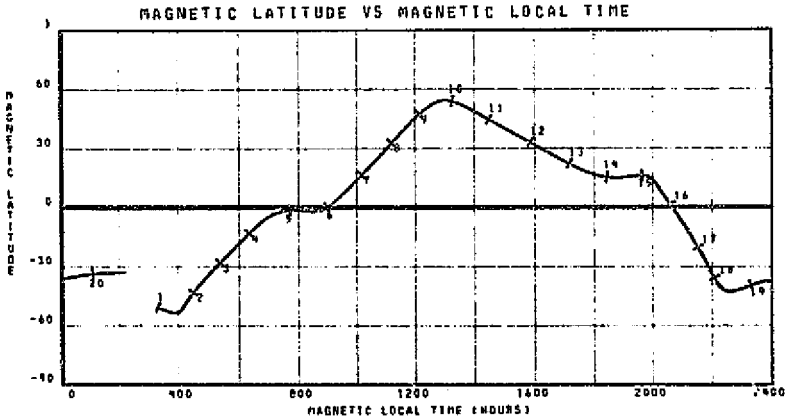
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/243/ 16.00H	R= 19.1R_E	11- 1976/246/ 9.00H	R= 17.9R_E
2- 1976/244/ 2.00H	R= 18.9R_E	12- 1976/246/ 7.00H	R= 18.0R_E
3- 1976/244/ 6.00H	R= 18.8R_E	13- 1976/246/ 16.00H	R= 18.3R_E
4- 1976/244/ 10.00H	R= 18.4R_E	14- 1976/247/ 2.00H	R= 18.7R_E
5- 1976/244/ 23.00H	R= 18.2R_E	15- 1976/247/ 6.00H	R= 18.8R_E
6- 1976/245/ 2.00H	R= 18.0R_E	16- 1976/247/ 9.00H	R= 18.9R_E
7- 1976/245/ 6.00H	R= 17.9R_E	17- 1976/247/ 16.00H	R= 19.1R_E
8- 1976/245/ 10.00H	R= 17.8R_E	18- 1976/248/ 0.00H	R= 19.2R_E
9- 1976/245/ 19.00H	R= 17.8R_E	19- 1976/248/ 9.00H	R= 19.2R_E
10- 1976/245/ 23.00H	R= 17.8R_E	20- 1976/248/ 7.00H	R= 19.2R_E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/243/16.00H TO 1976/248/ 9.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

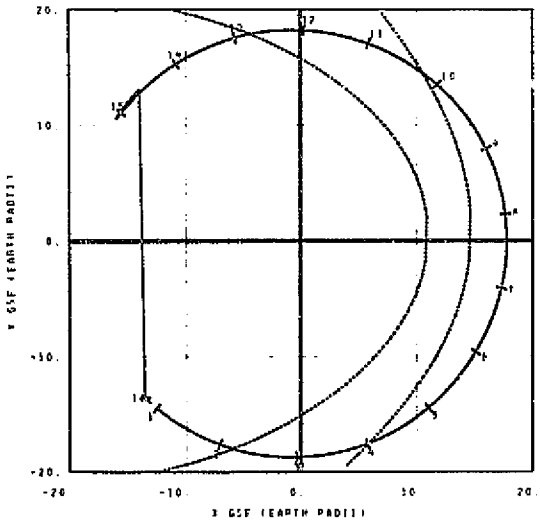
1- 1976/243/ 16.00H	R= 19.1R_E	8- 1976/245/ 10.00H	R= 17.8R_E	15- 1976/246/ 20.00H	R= 18.4R_E
2- 1976/244/ 1.00H	R= 18.9R_E	9- 1976/245/ 14.00H	R= 17.8R_E	16- 1976/247/ 4.00H	R= 18.7R_E
3- 1976/244/ 5.00H	R= 18.8R_E	10- 1976/245/ 20.00H	R= 17.8R_E	17- 1976/247/ 9.00H	R= 18.9R_E
4- 1976/244/ 9.00H	R= 18.7R_E	11- 1976/246/ 1.00H	R= 17.8R_E	18- 1976/247/ 13.00H	R= 19.0R_E
5- 1976/244/ 16.00H	R= 18.4R_E	12- 1976/246/ 5.00H	R= 17.9R_E	19- 1976/247/ 22.00H	R= 19.2R_E
6- 1976/245/ 0.00H	R= 18.1R_E	13- 1976/246/ 9.00H	R= 18.0R_E	20- 1976/248/ 4.00H	R= 19.2R_E
7- 1976/245/ 6.00H	R= 17.9R_E	14- 1976/246/ 14.00H	R= 18.2R_E		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/243 /16.00H TO1976/248 / 9.00H

ORIGINAL PAGE IS
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/248/	8.00H	LAT= -87.6	11 - 1976/251/	2.00H	LAT=	51.5
2 - 1976/248/	16.00H	LAT= -53.8	12 - 1976/251/	6.00H	LAT=	85.7
3 - 1976/249/	0.00H	LAT= -87.0	13 - 1976/251/	13.00H	LAT=	31.0
4 - 1976/249/	6.00H	LAT= -35.4	14 - 1976/251/	20.00H	LAT=	14.0
5 - 1976/249/	14.00H	LAT= -15.8	15 - 1976/252/	7.00H	LAT=	-13.0
6 - 1976/250/	0.00H	LAT= 11.5	16 - 1976/252/	22.00H	LAT=	-44.9
7 - 1976/250/	8.00H	LAT= 32.7				
8 - 1976/250/	14.00H	LAT= 45.9				
9 - 1976/250/	18.00H	LAT= 51.8				
10 - 1976/250/	22.00H	LAT= 53.8				

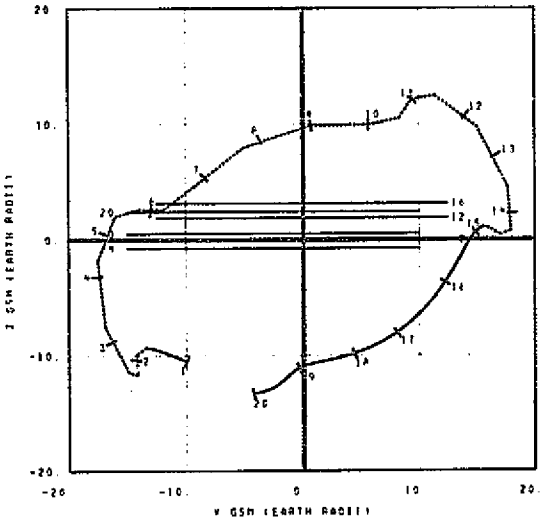
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/248/ 8.00H TO 1976/252/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/248/	8.00H	R= 19.1RE	11 - 1976/250/	19.00H	R= 17.4RE
2 - 1976/248/	16.00H	R= 19.0RE	12 - 1976/251/	2.00H	R= 18.1RE
3 - 1976/249/	2.00H	R= 18.6RE	13 - 1976/251/	5.00H	R= 18.2RE
4 - 1976/249/	6.00H	R= 18.5RE	14 - 1976/251/	9.00H	R= 18.3RE
5 - 1976/249/	9.00H	R= 18.3RE	15 - 1976/251/	21.00H	R= 19.8RE
6 - 1976/249/	17.00H	R= 18.0RE	16 - 1976/252/	2.00H	R= 18.9RE
7 - 1976/250/	0.00H	R= 17.8RE	17 - 1976/252/	6.00H	R= 19.0RE
8 - 1976/250/	4.00H	R= 17.8RE	18 - 1976/252/	9.00H	R= 19.1RE
9 - 1976/250/	7.00H	R= 17.7RE	19 - 1976/252/	15.00H	R= 19.2RE
10 - 1976/250/	11.00H	R= 17.7RE	20 - 1976/252/	23.00H	R= 19.1RE

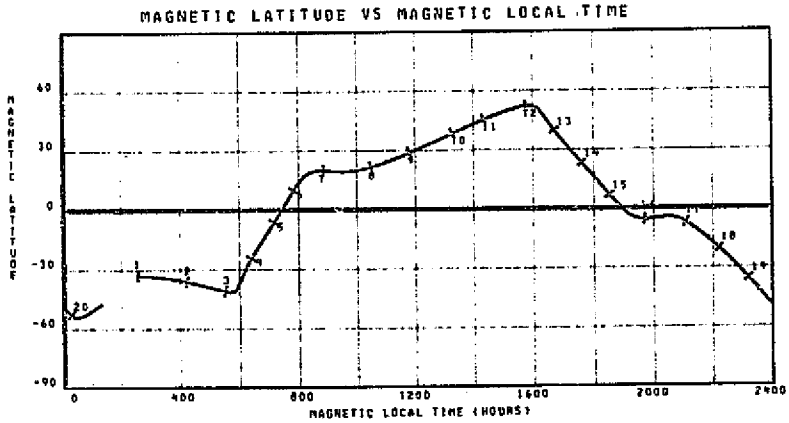
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/248/ 8.00H TO 1976/252/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

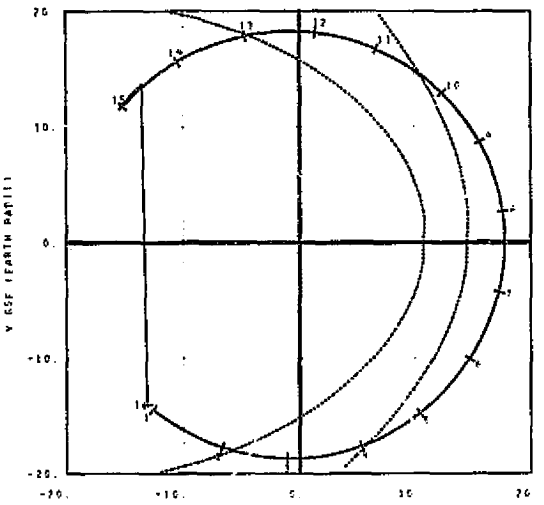
1 - 1976/248/	8.00H	R= 19.1RE	8 - 1976/250/	4.00H	R= 17.7RE	15 - 1976/251/	9.00H	R= 18.3RE
2 - 1976/248/	13.00H	R= 19.1RE	9 - 1976/250/	6.00H	R= 17.7RE	16 - 1976/251/	16.00H	R= 18.4RE
3 - 1976/248/	16.00H	R= 18.9RE	10 - 1976/250/	10.00H	R= 17.7RE	17 - 1976/252/	1.00H	R= 18.9RE
4 - 1976/249/	1.00H	R= 18.6RE	11 - 1976/250/	13.00H	R= 17.8RE	18 - 1976/252/	6.00H	R= 19.0RE
5 - 1976/249/	7.00H	R= 18.4RE	12 - 1976/250/	18.00H	R= 17.8RE	19 - 1976/252/	10.00H	R= 19.1RE
6 - 1976/249/	11.00H	R= 18.3RE	13 - 1976/251/	1.00H	R= 18.0RE	20 - 1976/252/	16.00H	R= 19.2RE
7 - 1976/249/	18.00H	R= 18.0RE	14 - 1976/251/	5.00H	R= 18.2RE			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/248/ 8.00H TO1976/252 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/253/	0.00H	LAT= -48.9	11 - 1976/255/ 18.00H	LAT=	51.0
2 - 1976/253/	9.00H	LAT= -53.4	12 - 1976/255/ 22.00H	LAT=	45.0
3 - 1976/253/	16.00H	LAT= -46.3	13 - 1976/256/ 5.00H	LAT=	30.1
4 - 1976/253/	23.00H	LAT= -32.3	14 - 1976/256/ 13.00H	LAT=	10.7
5 - 1976/254/	7.00H	LAT= -12.3	15 - 1976/257/ 1.00H	LAT=	-18.6
6 - 1976/254/	17.00H	LAT= 15.1	16 - 1976/257/ 15.00H	LAT=	-46.9
7 - 1976/255/	1.00H	LAT= 39.9			
8 - 1976/255/	7.00H	LAT= 48.1			
9 - 1976/255/	11.00H	LAT= 52.8			
10 - 1976/255/	14.00H	LAT= 53.6			

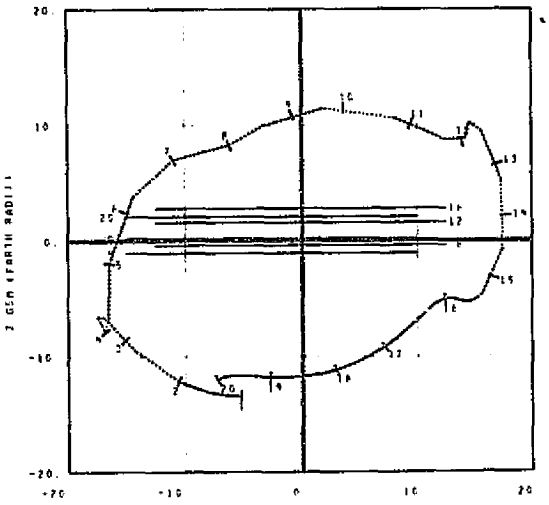
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/253/ 0.00H TO 1976/257/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/253/	0.00H	R= 19.1R_E	11 - 1976/255/	8.00H	R= 17.8R_E
2 - 1976/253/	4.00H	R= 19.1R_E	12 - 1976/255/	14.00H	R= 17.9R_E
3 - 1976/253/	8.00H	R= 19.0R_E	13 - 1976/256/	2.00H	R= 18.4R_E
4 - 1976/253/	19.00H	R= 18.6R_E	14 - 1976/256/	5.00H	R= 18.5R_E
5 - 1976/254/	3.00H	R= 18.3R_E	15 - 1976/256/	9.00H	R= 18.7R_E
6 - 1976/254/	5.00H	R= 18.1R_E	16 - 1976/256/	13.00H	R= 19.0R_E
7 - 1976/254/	11.00H	R= 18.0R_E	17 - 1976/257/	2.00H	R= 19.1R_E
8 - 1976/254/	19.00H	R= 17.8R_E	18 - 1976/257/	5.00H	R= 19.2R_E
9 - 1976/255/	1.00H	R= 17.7R_E	19 - 1976/257/	9.00H	R= 19.2R_E
10 - 1976/255/	4.00H	R= 17.7R_E	20 - 1976/257/	15.00H	R= 19.1R_E

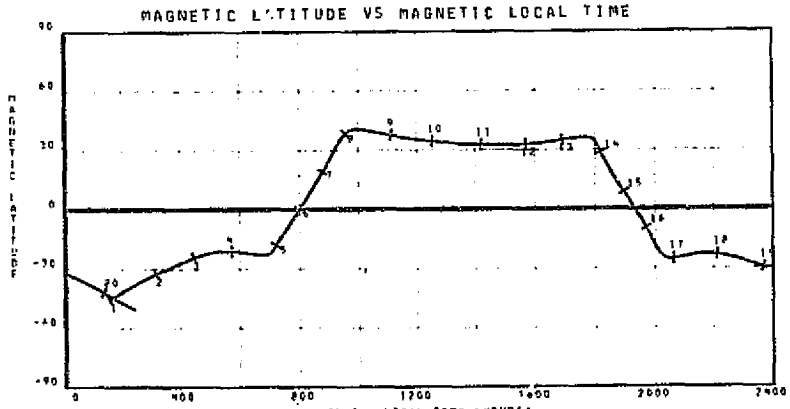
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/253/ 0.00H TO 1976/257/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/253/	0.00H	R= 19.1R_E	8 - 1976/254/	15.00H	R= 17.9R_E
2 - 1976/253/	5.00H	R= 19.0R_E	9 - 1976/254/	23.00H	R= 17.7R_E
3 - 1976/253/	9.00H	R= 18.9R_E	10 - 1976/255/	3.00H	R= 17.7R_E
4 - 1976/253/	16.00H	R= 18.6R_E	11 - 1976/255/	7.00H	R= 17.8R_E
5 - 1976/254/	0.00H	R= 18.4R_E	12 - 1976/255/	11.00H	R= 17.9R_E
6 - 1976/254/	5.00H	R= 18.2R_E	13 - 1976/255/	15.00H	R= 18.0R_E
7 - 1976/254/	9.00H	R= 18.0R_E	14 - 1976/256/	0.00H	R= 18.3R_E

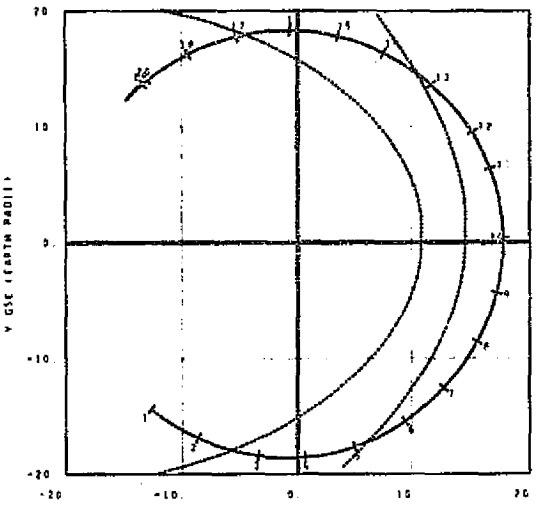
15 - 1976/256/	5.00H	R= 18.5R_E			
16 - 1976/256/	9.00H	R= 18.7R_E			
17 - 1976/256/	17.00H	R= 18.9R_E			
18 - 1976/257/	1.00H	R= 19.1R_E			
19 - 1976/257/	5.00H	R= 19.2R_E			
20 - 1976/257/	11.00H	R= 19.2R_E			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/253 / 0.00H TO1976/257 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/257/ 16.00H	LAT= -48.9	11 - 1976/260/ 2.00H	LAT=	52.3
2 - 1976/257/ 23.00H	LAT= -53.6	12 - 1976/260/ 4.00H	LAT=	53.5
3 - 1976/258/ 6.00H	LAT= -48.8	13 - 1976/260/ 7.00H	LAT=	53.2
4 - 1976/258/ 11.00H	LAT= -40.2	14 - 1976/260/ 10.00H	LAT=	50.5
5 - 1976/258/ 16.00H	LAT= -29.2	15 - 1976/260/ 13.00H	LAT=	46.1
6 - 1976/258/ 23.00H	LAT= -11.3	16 - 1976/260/ 17.00H	LAT=	38.3
7 - 1976/259/ 4.00H	LAT= 7.8	17 - 1976/260/ 23.00H	LAT=	24.5
8 - 1976/259/ 13.00H	LAT= 26.8	18 - 1976/261/ 5.00H	LAT=	9.7
9 - 1976/259/ 18.00H	LAT= 39.0	19 - 1976/261/ 13.00H	LAT=	-9.9
10 - 1976/259/ 22.00H	LAT= 47.1	20 - 1976/262/ 7.00H	LAT=	-37.9

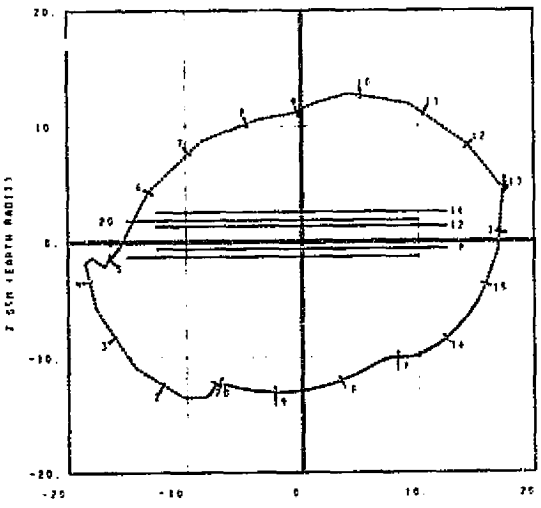
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/257/16.00H TO 1976/262/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/257/ 16.00H	R= 19.1RE	11 - 1976/260/ 9.00H	R= 17.9RE
2 - 1976/258/ 1.00H	R= 18.9RE	12 - 1976/260/ 7.00H	R= 18.0RE
3 - 1976/258/ 5.00H	R= 18.8RE	13 - 1976/260/ 13.00H	R= 18.2RE
4 - 1976/258/ 9.00H	R= 18.4RE	14 - 1976/261/ 2.00H	R= 18.7RE
5 - 1976/258/ 21.00H	R= 18.2RE	15 - 1976/261/ 5.00H	R= 18.8RE
6 - 1976/259/ 3.00H	R= 17.9RE	16 - 1976/261/ 9.00H	R= 18.9RE
7 - 1976/259/ 6.00H	R= 17.9RE	17 - 1976/261/ 16.00H	R= 19.1RE
8 - 1976/259/ 10.00H	R= 17.8RE	18 - 1976/262/ 0.00H	R= 19.2RE
9 - 1976/259/ 14.00H	R= 17.7RE	19 - 1976/262/ 4.00H	R= 19.2RE
10 - 1976/260/ 0.00H	R= 17.8RE	20 - 1976/262/ 7.00H	R= 19.2RE

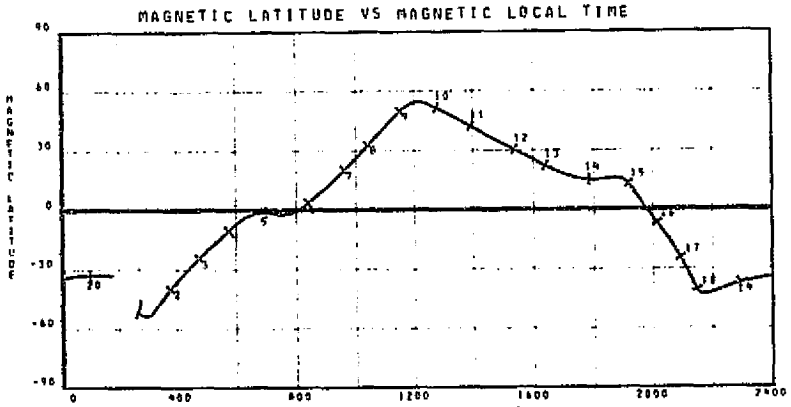
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/257/16.00H TO 1976/262/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

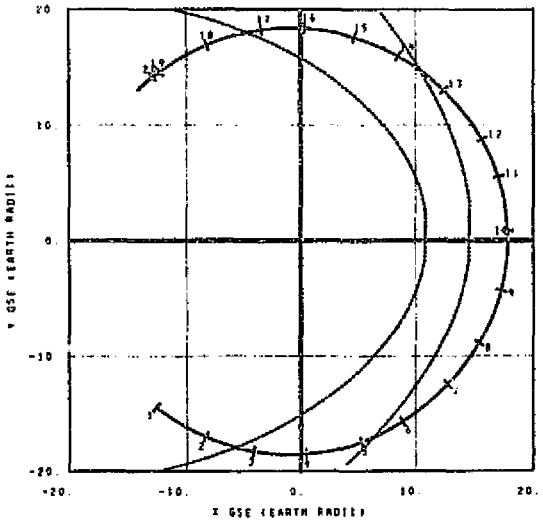
1 - 1976/257/ 16.00H	R= 19.1RE	8 - 1976/259/ 9.00H	R= 17.8RE	15 - 1976/260/ 23.00H	R= 18.6RE
2 - 1976/258/ 1.00H	R= 18.9RE	9 - 1976/259/ 14.00H	R= 17.7RE	16 - 1976/261/ 5.00H	R= 18.8RE
3 - 1976/258/ 5.00H	R= 18.8RE	10 - 1976/259/ 21.00H	R= 17.8RE	17 - 1976/261/ 9.00H	R= 18.9RE
4 - 1976/258/ 9.00H	R= 18.6RE	11 - 1976/260/ 1.30H	R= 17.9RE	18 - 1976/261/ 14.00H	R= 19.1RE
5 - 1976/258/ 16.00H	R= 18.2RE	12 - 1976/260/ 5.00H	R= 17.9RE	19 - 1976/261/ 23.00H	R= 19.2RE
6 - 1976/259/ 1.00H	R= 18.0RE	13 - 1976/260/ 8.30H	R= 18.0RE	20 - 1976/262/ 5.00H	R= 19.2RE
7 - 1976/259/ 6.00H	R= 17.9RE	14 - 1976/260/ 16.00H	R= 18.2RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/257/16.00H TO1976/262 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/262/	8.00 H	LAT= -98.8	11 - 1976/264/	18.00 H	LAT=	52.5
2 - 1976/262/	14.00 H	LAT= -93.5	12 - 1976/264/	20.00 H	LAT=	53.5
3 - 1976/262/	22.00 H	LAT= -88.9	13 - 1976/264/	23.00 H	LAT=	53.9
4 - 1976/263/	4.00 H	LAT= -37.6	14 - 1976/265/	2.00 H	LAT=	50.2
5 - 1976/263/	10.00 H	LAT= -23.5	15 - 1976/265/	5.00 H	LAT=	45.6
6 - 1976/263/	16.00 H	LAT= -7.8	16 - 1976/265/	9.00 H	LAT=	37.7
7 - 1976/264/	0.00 H	LAT= 14.2	17 - 1976/265/	14.00 H	LAT=	26.3
8 - 1976/264/	4.00 H	LAT= 30.1	18 - 1976/265/	21.00 H	LAT=	9.1
9 - 1976/264/	11.00 H	LAT= 41.9	19 - 1976/266/	5.00 H	LAT=	-18.5
10 - 1976/264/	15.00 H	LAT= 49.1	20 - 1976/266/	23.00 H	LAT=	-97.8

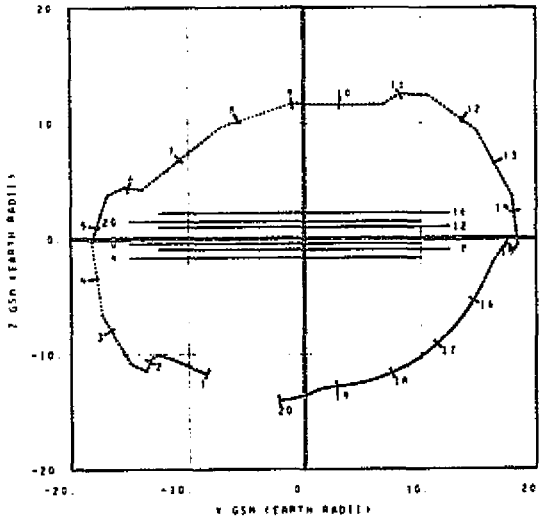
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/262/ 8.00H TO 1976/266/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/262/	8.00 H	R= 19.1R$_E$	11 - 1976/264/	18.00 H	X= 17.9R$_E$
2 - 1976/262/	14.00 H	R= 19.6R$_E$	12 - 1976/265/	2.00 H	X= 18.1R$_E$
3 - 1976/262/	22.00 H	R= 18.6R$_E$	13 - 1976/265/	5.00 H	X= 18.2R$_E$
4 - 1976/263/	5.00 H	R= 18.9R$_E$	14 - 1976/265/	8.44 H	X= 18.3R$_E$
5 - 1976/263/	8.00 H	R= 18.3R$_E$	15 - 1976/265/	19.00 H	X= 18.8R$_E$
6 - 1976/263/	16.00 H	R= 18.0R$_E$	16 - 1976/266/	2.00 H	X= 19.0R$_E$
7 - 1976/264/	0.00 H	R= 17.8R$_E$	17 - 1976/266/	5.00 H	X= 19.1R$_E$
8 - 1976/264/	4.00 H	R= 17.8R$_E$	18 - 1976/266/	8.00 H	X= 19.1R$_E$
9 - 1976/264/	7.00 H	R= 17.7R$_E$	19 - 1976/266/	13.00 H	X= 19.2R$_E$
10 - 1976/264/	10.00 H	R= 17.7R$_E$	20 - 1976/266/	23.00 H	X= 19.1R$_E$

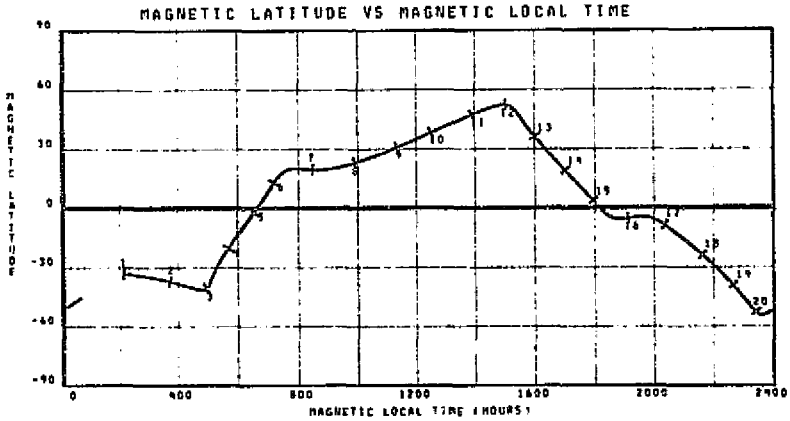
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/262/ 8.00H TO 1976/266/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

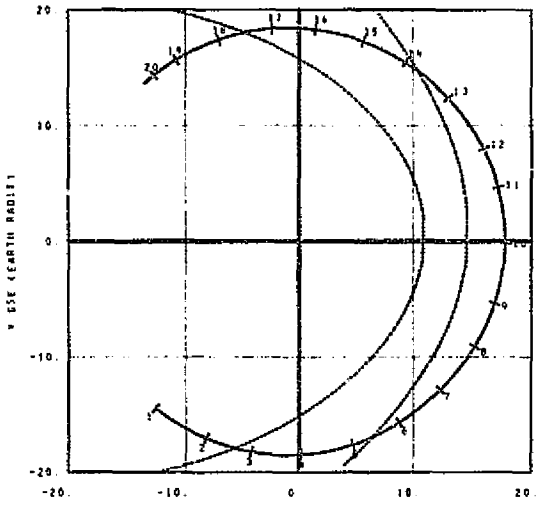
1 - 1976/262/	8.00 H	R= 19.1R$_E$	8 - 1976/264/	2.00 H	R= 17.8R$_E$	15 - 1976/265/	9.00 H	R= 18.4R$_E$
2 - 1976/262/	13.00 H	R= 19.6R$_E$	9 - 1976/264/	4.00 H	R= 17.7R$_E$	16 - 1976/265/	17.00 H	R= 18.7R$_E$
3 - 1976/262/	20.00 H	R= 18.8R$_E$	10 - 1976/264/	9.00 H	R= 17.7R$_E$	17 - 1976/266/	1.00 H	R= 19.0R$_E$
4 - 1976/263/	3.00 H	R= 18.9R$_E$	11 - 1976/264/	13.00 H	R= 17.8R$_E$	18 - 1976/266/	6.00 H	R= 19.1R$_E$
5 - 1976/263/	7.00 H	R= 18.4R$_E$	12 - 1976/264/	18.00 H	R= 17.9R$_E$	19 - 1976/266/	20.00 H	R= 19.1R$_E$
6 - 1976/263/	11.00 H	R= 18.2R$_E$	13 - 1976/265/	1.00 H	R= 18.1R$_E$	20 - 1976/266/	15.00 H	R= 19.2R$_E$
7 - 1976/263/	20.00 H	R= 17.9R$_E$	14 - 1976/265/	5.00 H	R= 18.2R$_E$			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/262 / 8.00H TO1976/266 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/267/ 0.00H	LAT= -89.1	11 - 1976/269/ 10.00H	LAT= 92.7		
2 - 1976/267/ 9.00H	LAT= -53.0	12 - 1976/269/ 12.00H	LAT= 53.5		
3 - 1976/267/ 15.00H	LAT= -96.9	13 - 1976/269/ 15.00H	LAT= 52.7		
4 - 1976/267/ 21.00H	LAT= -39.7	14 - 1976/269/ 18.00H	LAT= 49.6		
5 - 1976/268/ 3.00H	LAT= -20.3	15 - 1976/269/ 21.00H	LAT= 44.9		
6 - 1976/268/ 10.00H	LAT= -1.6	16 - 1976/270/ 1.00H	LAT= 36.8		
7 - 1976/268/ 17.00H	LAT= 17.6	17 - 1976/270/ 6.00H	LAT= 29.2		
8 - 1976/268/ 23.00H	LAT= 33.3	18 - 1976/270/ 13.00H	LAT= 8.1		
9 - 1976/269/ 3.00H	LAT= 92.9	19 - 1976/270/ 20.00H	LAT= -9.1		
10 - 1976/269/ 7.00H	LAT= 49.5	20 - 1976/271/ 15.00H	LAT= -48.5		

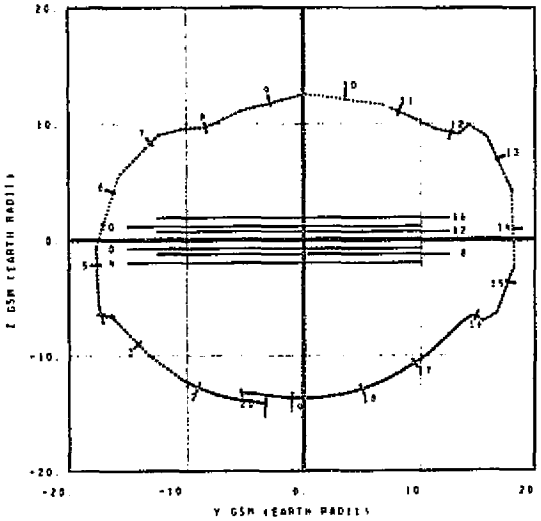
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/267/ 0.00H TO 1976/271/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/267/ 0.00H	R= 19.1RE	11 - 1976/269/ 8.00H	R= 17.6RE		
2 - 1976/267/ 9.00H	R= 19.0RE	12 - 1976/269/ 13.00H	R= 17.9RE		
3 - 1976/267/ 8.00H	R= 18.9RE	13 - 1976/270/ 1.00H	R= 18.1RE		
4 - 1976/267/ 16.00H	R= 18.7RE	14 - 1976/270/ 5.00H	R= 18.5RE		
5 - 1976/268/ 2.00H	R= 18.3RE	15 - 1976/270/ 8.00H	R= 18.6RE		
6 - 1976/268/ 6.00H	R= 18.1RE	16 - 1976/270/ 18.00H	R= 19.0RE		
7 - 1976/268/ 10.00H	R= 18.0RE	17 - 1976/271/ 2.00H	R= 19.1RE		
8 - 1976/268/ 19.00H	R= 17.7RE	18 - 1976/271/ 5.00H	R= 19.2RE		
9 - 1976/269/ 1.00H	R= 17.7RE	19 - 1976/271/ 9.00H	R= 19.2RE		
10 - 1976/269/ 5.00H	R= 17.7RE	20 - 1976/271/ 15.00H	R= 19.1RE		

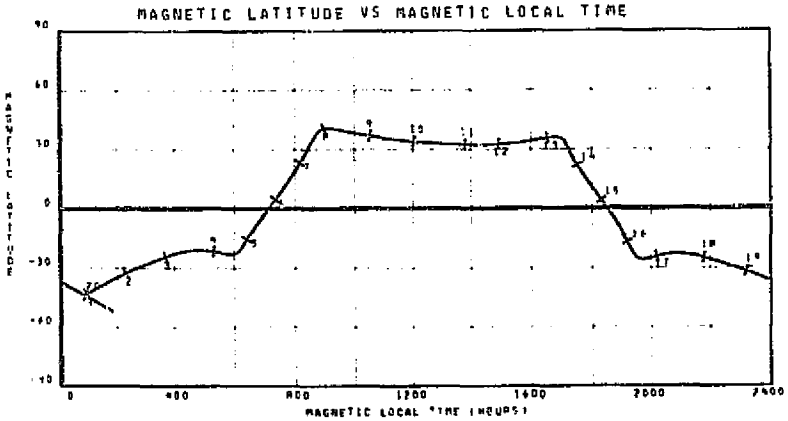
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/267/ 0.00H TO 1976/271/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

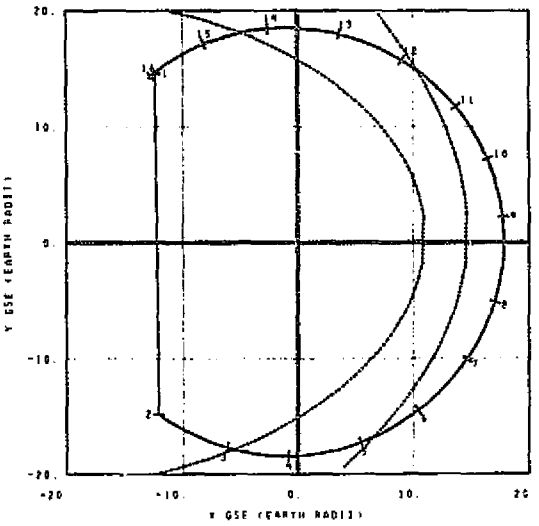
1 - 1976/267/ 0.00H	R= 19.1RE	8 - 1976/268/ 16.00H	R= 17.6RE	15 - 1976/270/ 5.00H	R= 18.5RE
2 - 1976/267/ 9.00H	R= 19.0RE	9 - 1976/268/ 23.00H	R= 17.7RE	16 - 1976/270/ 10.00H	R= 18.7RE
3 - 1976/267/ 8.00H	R= 18.9RE	10 - 1976/269/ 3.00H	R= 17.7RE	17 - 1976/270/ 19.00H	R= 19.0RE
4 - 1976/267/ 15.00H	R= 18.7RE	11 - 1976/269/ 7.00H	R= 17.6RE	18 - 1976/271/ 2.00H	R= 19.1RE
5 - 1976/268/ 6.00H	R= 18.3RE	12 - 1976/269/ 10.00H	R= 17.8RE	19 - 1976/271/ 6.00H	R= 19.2RE
6 - 1976/268/ 9.00H	R= 18.1RE	13 - 1976/269/ 16.00H	R= 18.0RE	20 - 1976/271/ 11.00H	R= 19.2RE
7 - 1976/268/ 9.00H	R= 18.0RE	14 - 1976/270/ 1.00H	R= 18.3RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/267 / 0.00H TO1976/271 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/271/	16.00H	LAT=	-89.6	11 -	1976/274/	7.00H	LAT= 52.5
2 -	1976/271/	17.00H	LAT=	-50.7	12 -	1976/274/	11.00H	LAT= 67.7
3 -	1976/272/	5.00H	LAT=	-68.7	13 -	1976/274/	16.00H	LAT= 38.3
4 -	1976/272/	13.00H	LAT=	-33.7	14 -	1976/275/	0.00H	LAT= 19.7
5 -	1976/272/	22.00H	LAT=	-11.2	15 -	1976/275/	9.00H	LAT= -2.6
6 -	1976/273/	7.00H	LAT=	13.3	16 -	1976/276/	5.00H	LAT= -45.9
7 -	1976/273/	15.00H	LAT=	34.3				
8 -	1976/273/	20.00H	LAT=	45.1				
9 -	1976/274/	1.00H	LAT=	52.2				
10 -	1976/274/	4.00H	LAT=	53.5				

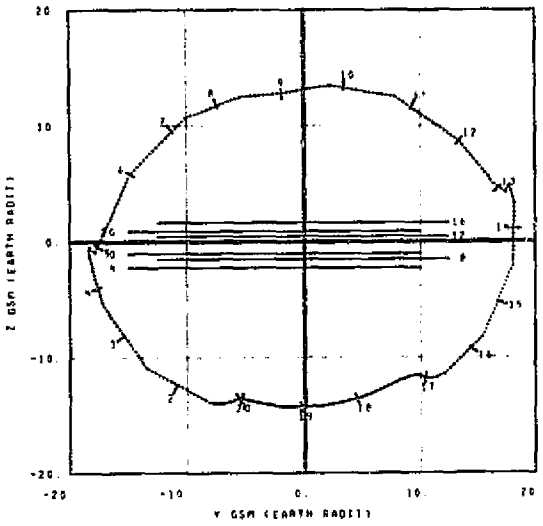
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/271/16.00H TO 1976/276/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/271/	16.00H	R=	19.1RE	11 -	1976/274/	9.00H	R= 17.9RE
2 -	1976/272/	1.00H	R=	16.1RE	12 -	1976/274/	7.00H	R= 18.0RE
3 -	1976/272/	5.00H	R=	18.6RE	13 -	1976/274/	12.00H	R= 18.2RE
4 -	1976/272/	9.00H	R=	18.6RE	14 -	1976/275/	1.00H	R= 18.7RE
5 -	1976/272/	21.00H	R=	18.1RE	15 -	1976/275/	5.00H	R= 18.8RE
6 -	1976/273/	3.00H	R=	17.9RE	16 -	1976/275/	8.00H	R= 18.9RE
7 -	1976/273/	6.00H	R=	17.9RE	17 -	1976/275/	15.00H	R= 19.3RE
8 -	1976/273/	9.00H	R=	17.8RE	18 -	1976/276/	1.00H	R= 19.2RE
9 -	1976/273/	17.00H	R=	17.8RE	19 -	1976/276/	4.00H	R= 19.2RE
10 -	1976/274/	0.00H	R=	17.8RE	20 -	1976/276/	7.00H	R= 19.1RE

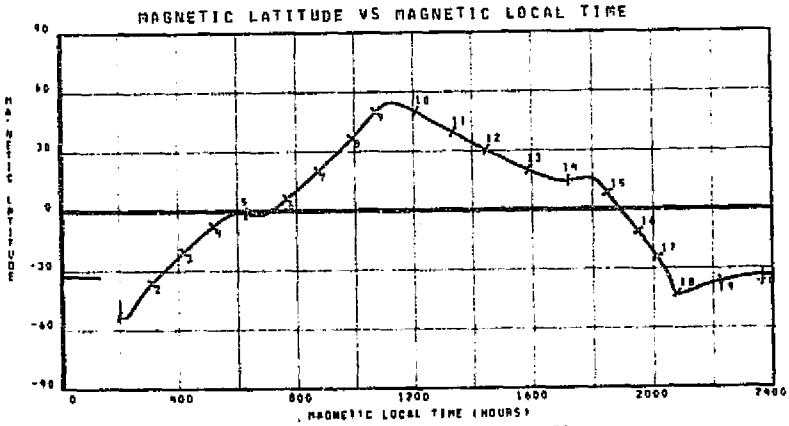
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/271/16.00H TO 1976/276/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 -	1976/271/	16.00H	R=	19.1RE	8 -	1976/273/	9.00H	R= 17.8RE
2 -	1976/272/	1.00H	R=	16.1RE	9 -	1976/273/	13.00H	R= 17.8RE
3 -	1976/272/	5.00H	R=	18.6RE	10 -	1976/273/	21.00H	R= 17.8RE
4 -	1976/272/	9.00H	R=	18.6RE	11 -	1976/274/	1.00H	R= 17.8RE
5 -	1976/272/	16.00H	R=	18.3RE	12 -	1976/274/	4.00H	R= 17.9RE
6 -	1976/273/	1.00H	R=	18.0RE	13 -	1976/274/	8.00H	R= 18.0RE
7 -	1976/273/	5.00H	R=	17.9RE	14 -	1976/274/	14.00H	R= 18.3RE
					15 -	1976/275/	0.00H	R= 18.6RE
					16 -	1976/275/	9.00H	R= 18.8RE
					17 -	1976/275/	8.00H	R= 18.9RE
					18 -	1976/275/	15.48H	R= 19.1RE
					19 -	1976/275/	23.98H	R= 19.2RE
					20 -	1976/276/	3.00H	R= 19.2RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/271/16.00H TO1976/276/ 8.00H

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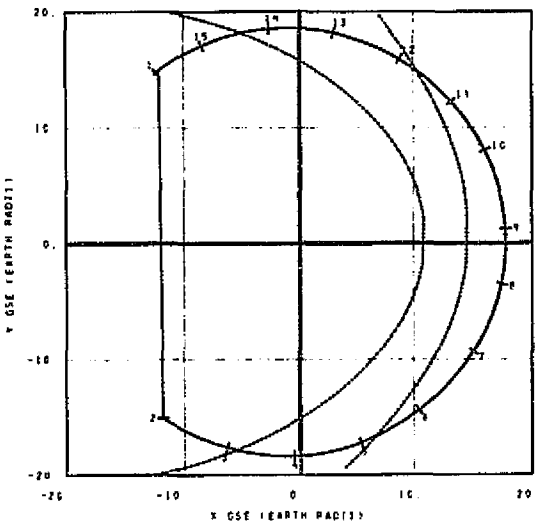
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/276/ 8.00H	LAT= -50.0	11 - 1976/279/ 0.00H	LAT= 51.3		
2 - 1976/276/ 10.00H	LAT= -51.9	12 - 1976/279/ 4.00H	LAT= 45.5		
3 - 1976/276/ 22.00H	LAT= -46.9	13 - 1976/279/ 10.00H	LAT= 33.2		
4 - 1976/277/ 7.00H	LAT= -28.5	14 - 1976/279/ 18.00H	LAT= 13.9		
5 - 1976/277/ 16.00H	LAT= -5.2	15 - 1976/280/ 4.00H	LAT= -10.6		
6 - 1976/278/ 1.00H	LAT= 19.4				
7 - 1976/278/ 9.00H	LAT= 35.5				
8 - 1976/278/ 14.00H	LAT= 44.0				
9 - 1976/278/ 17.00H	LAT= 52.9				
10 - 1976/278/ 21.00H	LAT= 53.3				

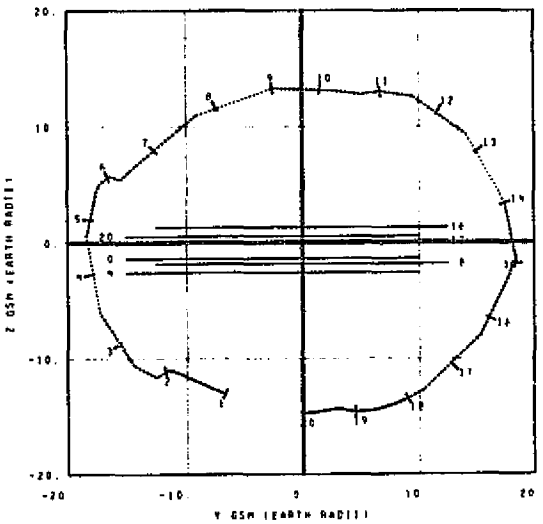
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/276/ 8.00H TO 1976/280/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/276/ 8.00H	R= 19.1R_E	11 - 1976/278/ 19.00H	R= 17.9R_E
2 - 1976/276/ 15.00H	R= 19.0R_E	12 - 1976/279/ 1.00H	R= 18.1R_E
3 - 1976/277/ 1.00H	R= 18.6R_E	13 - 1976/279/ 9.00H	R= 18.2R_E
4 - 1976/277/ 5.00H	R= 18.4R_E	14 - 1976/279/ 7.00H	R= 18.3R_E
5 - 1976/277/ 8.00H	R= 18.3R_E	15 - 1976/279/ 13.00H	R= 18.5R_E
6 - 1976/277/ 14.00H	R= 18.1R_E	16 - 1976/280/ 2.00H	R= 19.0R_E
7 - 1976/278/ 0.00H	R= 17.8R_E	17 - 1976/280/ 9.00H	R= 19.1R_E
8 - 1976/278/ 4.00H	R= 17.7R_E	18 - 1976/280/ 8.00H	R= 19.1R_E
9 - 1976/278/ 7.00H	R= 17.7R_E	19 - 1976/280/ 13.00H	R= 19.2R_E
10 - 1976/278/ 10.00H	R= 17.7R_E	20 - 1976/280/ 23.00H	R= 19.1R_E

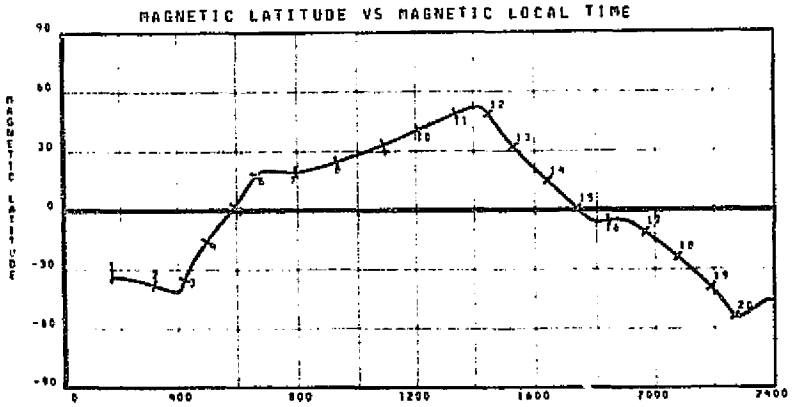
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/276/ 8.00H TO 1976/280/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

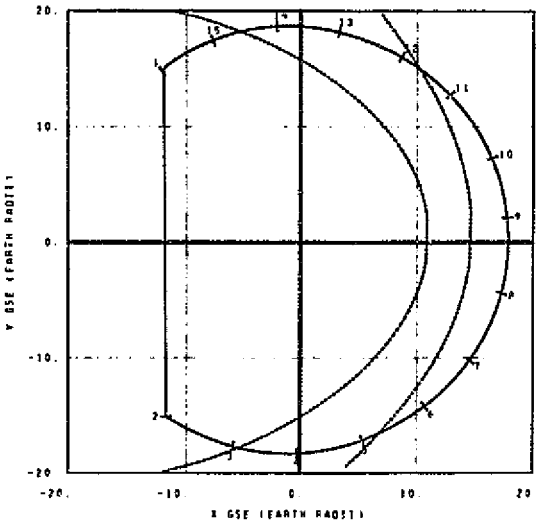
1 - 1976/276/ 8.00H	R= 19.1R_E	8 - 1976/278/ 2.00H	R= 17.8R_E
2 - 1976/276/ 13.00H	R= 19.0R_E	9 - 1976/278/ 6.00H	R= 17.7R_E
3 - 1976/276/ 22.00H	R= 18.7R_E	10 - 1976/278/ 9.00H	R= 17.7R_E
4 - 1976/277/ 5.00H	R= 18.5R_E	11 - 1976/278/ 13.00H	R= 17.8R_E
5 - 1976/277/ 7.00H	R= 18.4R_E	12 - 1976/278/ 20.00H	R= 17.9R_E
6 - 1976/277/ 12.00H	R= 18.2R_E	13 - 1976/279/ 1.00H	R= 18.1R_E
7 - 1976/277/ 21.00H	R= 17.9R_E	14 - 1976/279/ 5.00H	R= 18.2R_E
		15 - 1976/279/ 9.00H	R= 18.4R_E
		16 - 1976/279/ 17.00H	R= 18.8R_E
		17 - 1976/280/ 1.00H	R= 19.0R_E
		18 - 1976/280/ 5.00H	R= 19.1R_E
		19 - 1976/280/ 9.00H	R= 19.1R_E
		20 - 1976/280/ 19.00H	R= 19.1R_E

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/276/ 8.00H TO1976/280 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/281/ 0.00H	LAT= -50.3	11 - 1976/283/ 17.00H	LAT= 99.5		
2 - 1976/281/ 2.00H	LAT= -52.1	12 - 1976/283/ 21.00H	LAT= 92.9		
3 - 1976/281/ 16.00H	LAT= -92.7	13 - 1976/284/ 1.00H	LAT= 29.9		
4 - 1976/282/ 1.00H	LAT= -22.6	14 - 1976/284/ 11.00H	LAT= 10.5		
5 - 1976/282/ 10.00H	LAT= 1.3	15 - 1976/284/ 21.00H	LAT= -13.9		
6 - 1976/282/ 19.00H	LAT= 25.7				
7 - 1976/283/ 1.00H	LAT= 40.3				
8 - 1976/283/ 6.00H	LAT= 99.4				
9 - 1976/283/ 10.00H	LAT= 53.1				
10 - 1976/283/ 13.00H	LAT= 53.1				

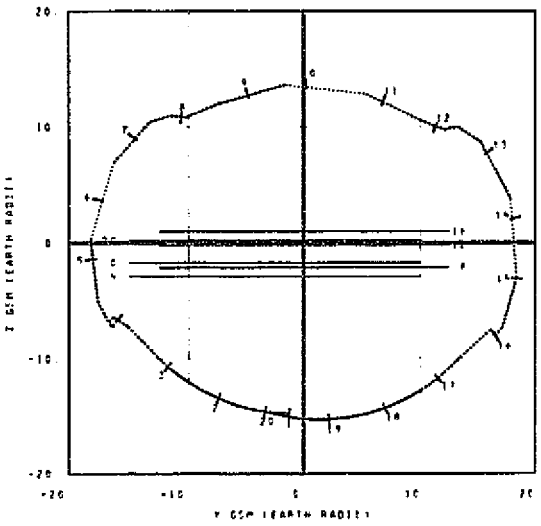
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/281/ 0.00H TO 1976/285/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/281/ 0.00H	R= 19.1R_E	11 - 1976/283/ 8.00H	R= 17.9R_E
2 - 1976/281/ 4.00H	R= 19.0R_E	12 - 1976/283/ 13.00H	R= 17.9R_E
3 - 1976/281/ 7.00H	R= 18.9R_E	13 - 1976/284/ 0.00H	R= 18.4R_E
4 - 1976/281/ 13.00H	R= 18.7R_E	14 - 1976/284/ 4.00H	R= 18.5R_E
5 - 1976/282/ 2.00H	R= 18.2R_E	15 - 1976/284/ 7.00H	R= 18.4R_E
6 - 1976/282/ 5.00H	R= 18.1R_E	16 - 1976/284/ 19.00H	R= 18.9R_E
7 - 1976/282/ 9.00H	R= 18.0R_E	17 - 1976/285/ 2.00H	R= 19.2R_E
8 - 1976/282/ 18.00H	R= 17.8R_E	18 - 1976/285/ 5.00H	R= 19.2R_E
9 - 1976/283/ 1.00H	R= 17.7R_E	19 - 1976/285/ 8.00H	R= 19.2R_E
10 - 1976/283/ 4.00H	R= 17.7R_E	20 - 1976/285/ 13.00H	R= 19.1R_E

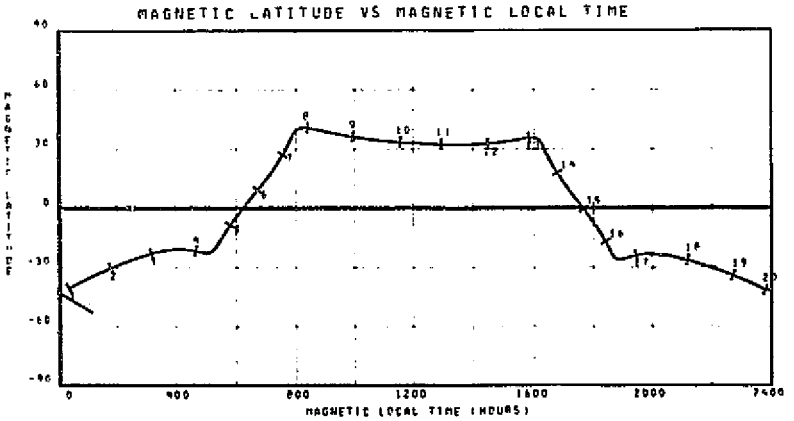
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/281/ 0.00H TO 1976/285/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

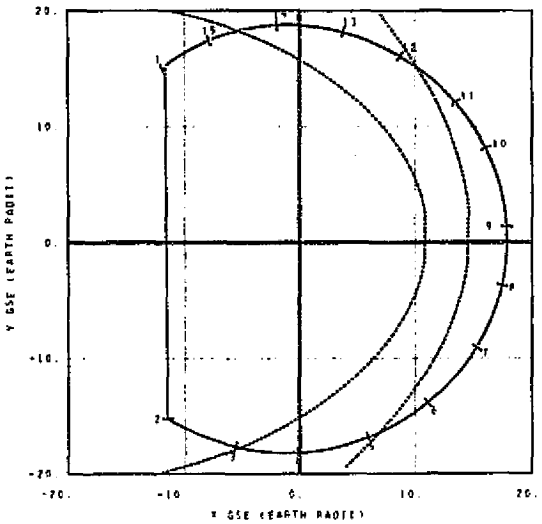
1 - 1976/281/ 0.00H	R= 19.1R_E	8 - 1976/282/ 17.00H	R= 17.8R_E
2 - 1976/281/ 4.00H	R= 19.0R_E	9 - 1976/282/ 23.00H	R= 17.7R_E
3 - 1976/281/ 8.00H	R= 18.9R_E	10 - 1976/283/ 3.00H	R= 17.7R_E
4 - 1976/281/ 15.00H	R= 18.7R_E	11 - 1976/283/ 6.00H	R= 17.8R_E
5 - 1976/282/ 1.00H	R= 18.3R_E	12 - 1976/283/ 10.00H	R= 17.9R_E
6 - 1976/282/ 5.00H	R= 18.1R_E	13 - 1976/283/ 16.00H	R= 18.0R_E
7 - 1976/282/ 9.00H	R= 18.0R_E	14 - 1976/284/ 1.00H	R= 18.4R_E
		15 - 1976/284/ 5.00H	R= 18.6R_E
		16 - 1976/284/ 9.00H	R= 18.7R_E
		17 - 1976/284/ 19.00H	R= 19.0R_E
		18 - 1976/285/ 2.00H	R= 19.2R_E
		19 - 1976/285/ 6.00H	R= 19.2R_E
		20 - 1976/285/ 9.00H	R= 19.1R_E

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/281 / 0.00H TO1976/285 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/285/ 16.00H	LAT= -50.6	11 - 1976/288/ 9.00H	LAT= 49.1
2 - 1976/285/ 19.00H	LAT= -52.9	12 - 1976/288/ 14.00H	LAT= 40.2
3 - 1976/286/ 10.00H	LAT= -38.1	13 - 1976/288/ 20.00H	LAT= 26.7
9 - 1976/286/ 19.00H	AT= -16.5	14 - 1976/289/ 5.00H	LAT= 9.7
5 - 1976/287/ 5.00H	LAT= 10.6	15 - 1976/289/ 16.00H	LAT= -21.8
6 - 1976/287/ 13.00H	LAT= 31.8		
7 - 1976/287/ 19.00H	LAT= 45.2		
8 - 1976/287/ 23.00H	LAT= 51.2		
9 - 1976/288/ 2.00H	LAT= 53.3		
10 - 1976/288/ 6.00H	LAT= 52.9		

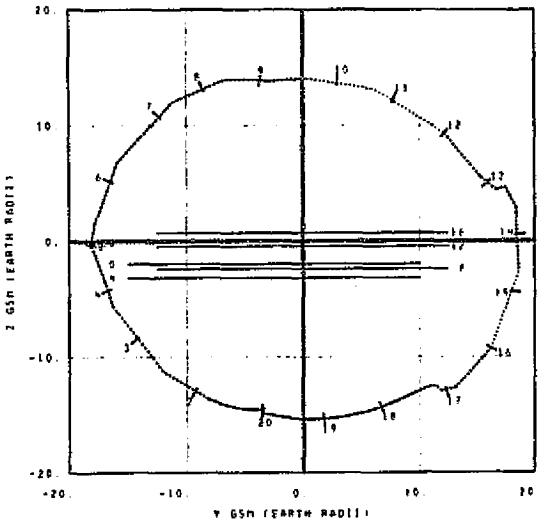
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/285/16.00H TO 1976/290/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/285/ 16.00H	R= 19.1R_E	11 - 1976/288/ 9.00H	R= 17.9R_E
2 - 1976/286/ 1.00H	R= 18.9R_E	12 - 1976/288/ 14.00H	R= 18.0R_E
3 - 1976/286/ 5.00H	R= 18.7R_E	13 - 1976/288/ 20.00H	R= 18.2R_E
4 - 1976/286/ 8.00H	R= 18.6R_E	14 - 1976/289/ 1.00H	R= 18.7R_E
5 - 1976/286/ 20.00H	R= 18.1R_E	15 - 1976/289/ 9.00H	R= 18.8R_E
6 - 1976/287/ 2.00H	R= 17.9R_E	16 - 1976/289/ 7.00H	R= 18.9R_E
7 - 1976/287/ 6.00H	R= 17.8R_E	17 - 1976/289/ 13.00H	R= 19.1R_E
8 - 1976/287/ 9.00H	R= 17.8R_E	18 - 1976/290/ 1.00H	R= 19.2R_E
9 - 1976/287/ 17.00H	R= 17.7R_E	19 - 1976/290/ 4.00H	R= 19.2R_E
10 - 1976/288/ 1.00H	R= 17.8R_E	20 - 1976/290/ 7.00H	R= 19.1R_E

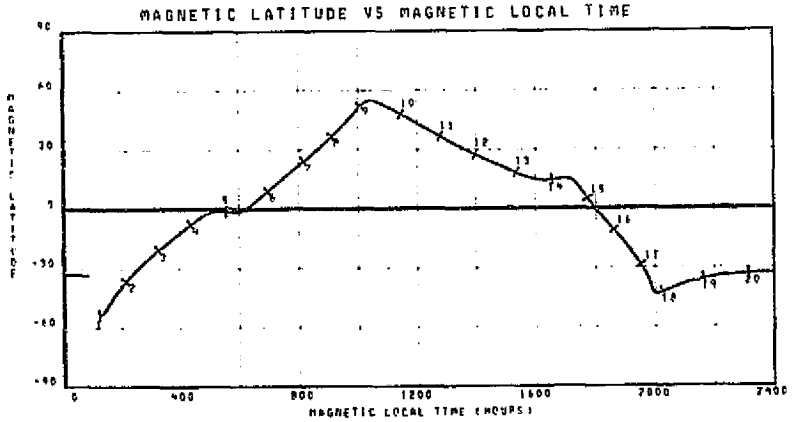
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/285/16.00H TO 1976/290/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

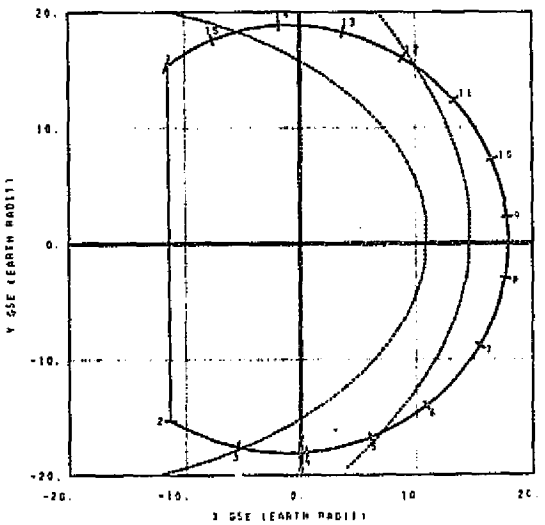
1 - 1976/285/ 16.00H	R= 19.1R_E	8 - 1976/287/ 9.00H	R= 17.8R_E	15 - 1976/289/ 0.00H	R= 18.7R_E
2 - 1976/286/ 0.00H	R= 18.9R_E	9 - 1976/287/ 13.00H	R= 17.7R_E	16 - 1976/289/ 4.00H	R= 18.8R_E
3 - 1976/286/ 4.00H	R= 18.8R_E	10 - 1976/287/ 21.00H	R= 17.8R_E	17 - 1976/289/ 8.00H	R= 19.0R_E
4 - 1976/286/ 8.00H	R= 18.6R_E	11 - 1976/288/ 1.00H	R= 17.8R_E	18 - 1976/289/ 12.00H	R= 19.2R_E
5 - 1976/286/ 16.00H	R= 18.3R_E	12 - 1976/288/ 9.00H	R= 17.9R_E	19 - 1976/289/ 23.00H	R= 19.2R_E
6 - 1976/287/ 1.00H	R= 17.9R_E	13 - 1976/288/ 8.00H	R= 18.1R_E	20 - 1976/290/ 3.00H	R= 19.2R_E
7 - 1976/287/ 5.00H	R= 17.8R_E	14 - 1976/288/ 19.00H	R= 18.3R_E		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/285 /16.00H TO1976/290 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/290/	8.00 H	LAT=	-51.0	11 - 1976/293/	2.00 H	LAT=	47.1
2 - 1976/290/	12.00 H	LAT=	-55.4	12 - 1976/293/	7.00 H	LAT=	37.5
3 - 1976/291/	1.00 H	LAT=	-33.1	13 - 1976/293/	14.00 H	LAT=	21.2
4 - 1976/291/	14.00 H	LAT=	-7.8	14 - 1976/293/	23.00 H	LAT=	+0.9
5 - 1976/291/	23.00 H	LAT=	16.9	15 - 1976/294/	10.00 H	LAT=	-26.9
6 - 1976/292/	6.00 H	LAT=	35.0				
7 - 1976/292/	12.00 H	LAT=	47.5				
8 - 1976/292/	16.00 H	LAT=	52.9				
9 - 1976/292/	19.00 H	LAT=	53.9				
10 - 1976/292/	22.00 H	LAT=	52.1				

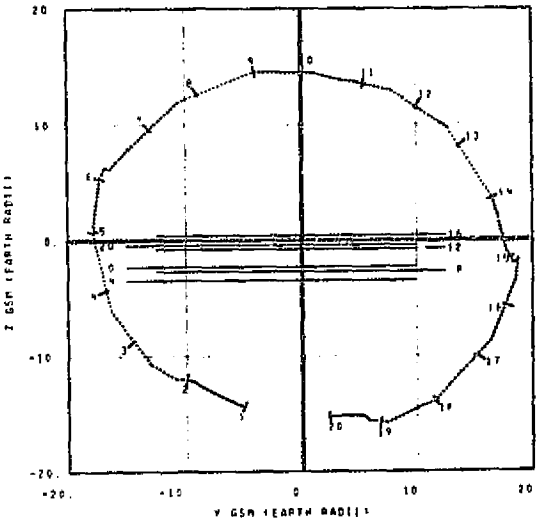
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/290/ 8.00H TO 1976/294/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/290/	8.00 H	R=	19.1 R_E	11 - 1976/292/	20.00 H	R=	18.0 R_E
2 - 1976/290/	15.00 H	R=	18.9 R_E	12 - 1976/293/	1.00 H	R=	18.1 R_E
3 - 1976/291/	1.00 H	R=	18.6 R_E	13 - 1976/293/	9.00 H	R=	18.2 R_E
4 - 1976/291/	9.00 H	R=	18.4 R_E	14 - 1976/293/	17.00 H	R=	18.4 R_E
5 - 1976/291/	17.00 H	R=	18.3 R_E	15 - 1976/293/	12.00 H	R=	18.4 R_E
6 - 1976/291/	11.00 H	R=	18.1 R_E	16 - 1976/294/	1.00 H	R=	19.0 R_E
7 - 1976/292/	1.00 H	R=	17.8 R_E	17 - 1976/294/	9.00 H	R=	19.3 R_E
8 - 1976/292/	9.00 H	R=	17.7 R_E	18 - 1976/294/	17.00 H	R=	19.1 R_E
9 - 1976/292/	17.00 H	R=	17.7 R_E	19 - 1976/294/	12.00 H	R=	19.2 R_E
10 - 1976/292/	10.00 H	R=	17.7 R_E	20 - 1976/294/	23.00 H	R=	19.1 R_E

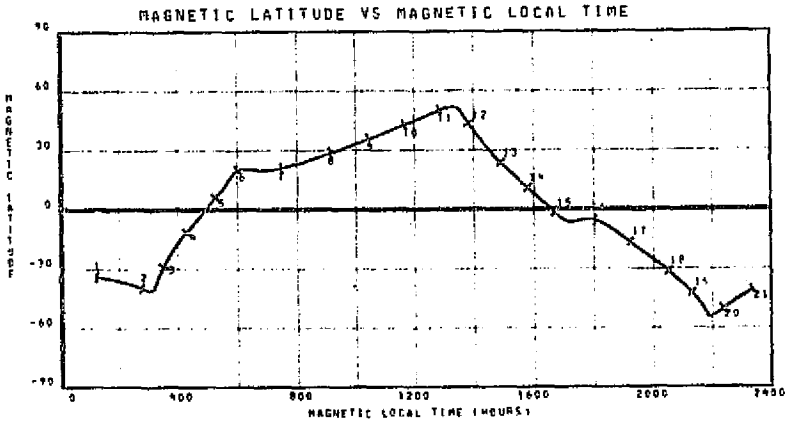
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/290/ 8.00H TO 1976/294/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/290/	8.00 H	R=	19.1 R_E	8 - 1976/292/	3.00 H	R=	17.7 R_E	15 - 1976/293/	4.00 H	R=	18.4 R_E
2 - 1976/290/	15.00 H	R=	19.0 R_E	9 - 1976/292/	6.00 H	R=	17.7 R_E	16 - 1976/293/	20.00 H	R=	18.4 R_E
3 - 1976/290/	23.00 H	R=	18.6 R_E	10 - 1976/292/	9.00 H	R=	17.7 R_E	17 - 1976/294/	2.00 H	R=	19.0 R_E
4 - 1976/291/	3.00 H	R=	18.5 R_E	11 - 1976/292/	13.00 H	R=	17.8 R_E	18 - 1976/294/	6.00 H	R=	19.1 R_E
5 - 1976/291/	7.00 H	R=	18.3 R_E	12 - 1976/292/	21.00 H	R=	18.0 R_E	19 - 1976/294/	9.00 H	R=	19.2 R_E
6 - 1976/291/	13.00 H	R=	18.1 R_E	13 - 1976/293/	2.00 H	R=	18.2 R_E	20 - 1976/294/	16.00 H	R=	19.2 R_E
7 - 1976/291/	22.00 H	R=	17.8 R_E	14 - 1976/293/	9.00 H	R=	18.3 R_E	21 - 1976/294/	23.00 H	R=	19.1 R_E

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/290 / 8.00H TO1976/294 /24.00H

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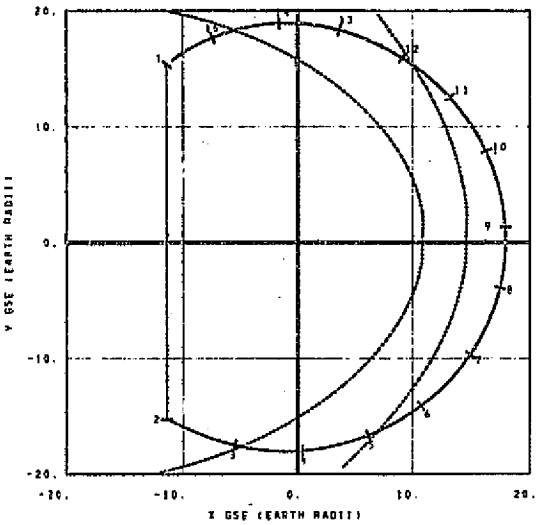
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/295/ 0.00H	LAT= -51.2	11 - 1976/297/ 14.00H	LAT=	44.7
2 - 1976/295/ 4.00H	LAT= -33.4	12 - 1976/298/ 0.00H	LAT=	28.4
3 - 1976/295/ 22.00H	LAT= -27.4	13 - 1976/298/ 8.00H	LAT=	15.3
4 - 1976/296/ 8.00H	LAT= -1.5	14 - 1976/298/ 17.00H	LAT=	-4.9
5 - 1970/296/ 17.00H	LAT= 23.0	15 - 1976/299/ 4.00H	LAT=	-32.2
6 - 1976/296/ 23.00H	LAT= 38.0			
7 - 1976/297/ 4.00H	LAT= 47.9			
8 - 1976/297/ 8.00H	LAT= 52.4			
9 - 1976/297/ 11.00H	LAT= 53.4			
10 - 1976/297/ 15.00H	LAT= 50.7			

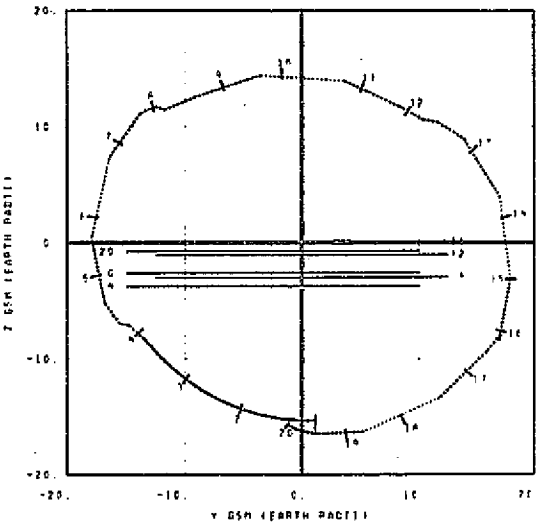
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/295/ 0.00H TO 1976/299/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/295/ 0.00H	R= 19.1RE	11 - 1976/297/ 8.00H	R= 17.8RE
2 - 1976/295/ 4.00H	R= 19.0RE	12 - 1976/297/ 12.00H	R= 17.9RE
3 - 1976/295/ 7.00H	R= 18.9RE	13 - 1976/298/ 0.00H	R= 18.4RE
4 - 1976/295/ 12.00H	R= 18.7RE	14 - 1976/298/ 4.00H	R= 18.5RE
5 - 1976/296/ 1.00H	R= 18.2RE	15 - 1976/298/ 7.00H	R= 18.7RE
6 - 1976/296/ 4.00H	R= 18.1RE	16 - 1976/298/ 11.00H	R= 18.8RE
7 - 1976/296/ 8.00H	R= 18.0RE	17 - 1976/299/ 1.00H	R= 19.2RE
8 - 1976/296/ 14.00H	R= 17.8RE	18 - 1976/299/ 5.00H	R= 19.2RE
9 - 1976/297/ 1.00H	R= 17.7RE	19 - 1976/299/ 8.00H	R= 19.2RE
10 - 1976/297/ 4.00H	R= 17.7RE	20 - 1976/299/ 15.00H	R= 19.1RE

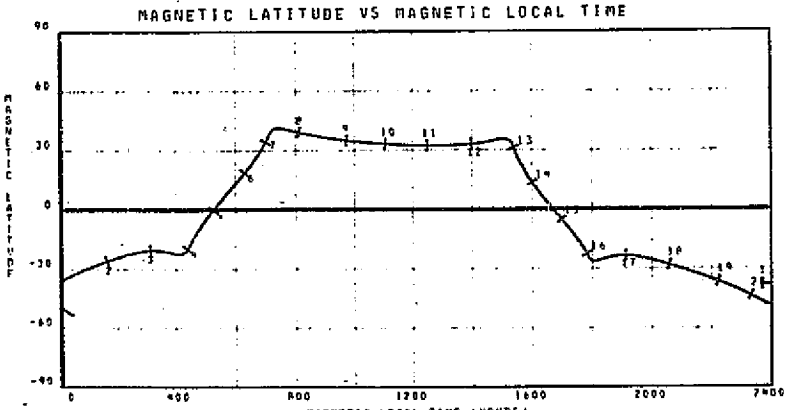
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/295/ 0.00H TO 1976/299/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

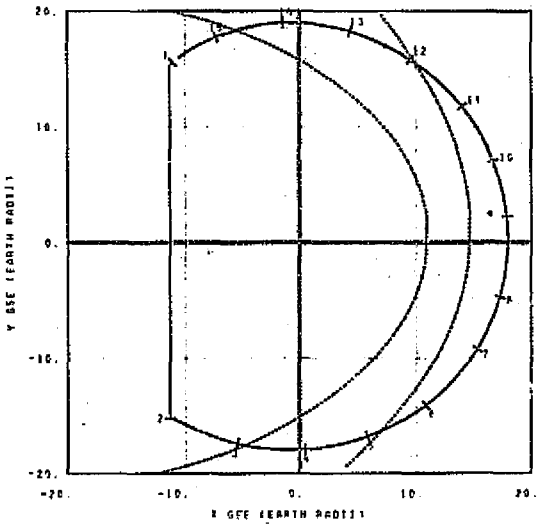
1 - 1976/295/ 0.00H	R= 19.1RE	8 - 1976/296/ 14.00H	R= 17.8RE	15 - 1976/298/ 5.00H	R= 18.6RE
2 - 1976/295/ 5.00H	R= 19.0RE	9 - 1976/297/ 0.00H	R= 17.7RE	16 - 1976/298/ 10.00H	R= 18.8RE
3 - 1976/295/ 10.00H	R= 18.8RE	10 - 1976/297/ 3.00H	R= 17.7RE	17 - 1976/298/ 21.00H	R= 19.1RE
4 - 1976/295/ 20.00H	R= 18.4RE	11 - 1976/297/ 6.00H	R= 17.8RE	18 - 1976/299/ 2.00H	R= 19.2RE
5 - 1976/296/ 2.00H	R= 18.2RE	12 - 1976/297/ 10.00H	R= 17.9RE	19 - 1976/299/ 6.00H	R= 19.2RE
6 - 1976/296/ 5.00H	R= 18.0RE	13 - 1976/297/ 20.00H	R= 18.2RE	20 - 1976/299/ 9.00H	R= 19.2RE
7 - 1976/296/ 10.00H	R= 17.9RE	14 - 1976/298/ 1.00H	R= 18.4RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/295 / 0.00H TO1976/299 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/299/	16.00H	LAT= -51.6	11 - 1976/302/	11.00H	LAT=	49.1
2 - 1976/299/	21.00H	LAT= -53.3	12 - 1976/302/	17.00H	LAT=	31.9
3 - 1976/300/	16.00H	LAT= -21.5	13 - 1976/303/	1.00H	LAT=	12.1
4 - 1976/301/	2.00H	LAT= 5.3	14 - 1976/303/	11.40H	LAT=	-12.5
5 - 1976/301/	10.00H	LAT= 26.8	15 - 1976/303/	22.00H	LAT=	-37.0
6 - 1976/301/	16.00H	LAT= 41.2				
7 - 1976/301/	21.00H	LAT= 50.0				
8 - 1976/302/	0.00H	LAT= 52.8				
9 - 1976/302/	4.00H	LAT= 53.0				
10 - 1976/302/	7.00H	LAT= 50.3				

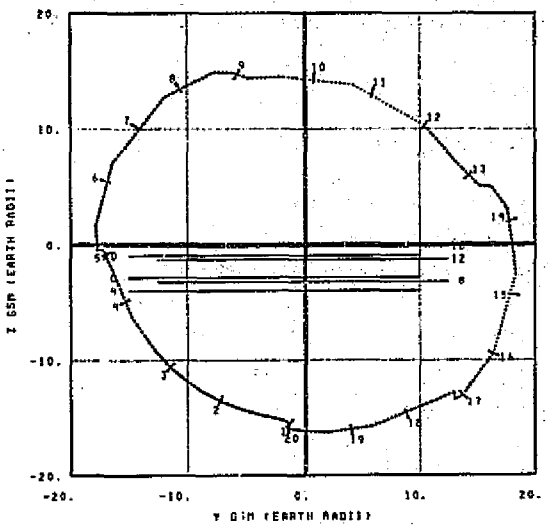
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/299/16.00H TO 1976/304/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/299/	16.00H	R= 19.1RE	11 - 1976/302/	4.00H	R= 18.8RE
2 - 1976/300/	1.00H	R= 18.9RE	12 - 1976/302/	7.00H	R= 18.1RE
3 - 1976/300/	9.00H	R= 18.7RE	13 - 1976/302/	12.00H	R= 18.2RE
4 - 1976/300/	8.00H	R= 18.6RE	14 - 1976/303/	0.00H	R= 18.7RE
5 - 1976/300/	13.00H	R= 18.4RE	15 - 1976/303/	4.00H	R= 18.9RE
6 - 1976/301/	2.00H	R= 17.9RE	16 - 1976/303/	7.00H	R= 19.0RE
7 - 1976/301/	5.00H	R= 17.8RE	17 - 1976/303/	11.60H	R= 19.1RE
8 - 1976/301/	8.00H	R= 17.8RE	18 - 1976/304/	1.00H	R= 19.2RE
9 - 1976/301/	16.00H	R= 17.8RE	19 - 1976/304/	4.00H	R= 19.2RE
10 - 1976/302/	1.00H	R= 17.9RE	20 - 1976/304/	7.00H	R= 19.1RE

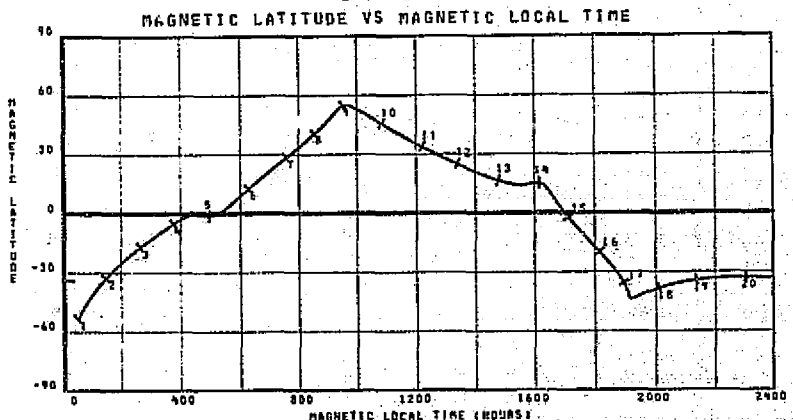
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/299/16.00H TO 1976/304/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

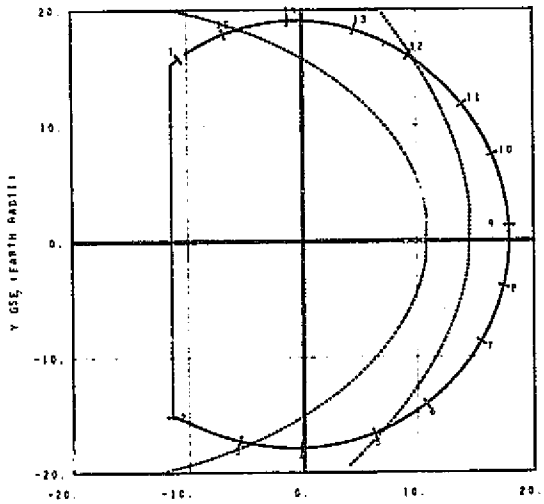
1 - 1976/299/	16.00H	R= 19.1RE	8 - 1976/301/	8.40H	R= 17.8RE	15 - 1976/303/	1.00H	R= 18.6RE
2 - 1976/300/	0.00H	R= 18.9RE	9 - 1976/301/	14.00H	R= 17.7RE	16 - 1976/303/	6.00H	R= 18.7RE
3 - 1976/300/	4.00H	R= 18.7RE	10 - 1976/301/	21.00H	R= 17.8RE	17 - 1976/303/	9.00H	R= 19.0RE
4 - 1976/300/	9.00H	R= 18.6RE	11 - 1976/302/	1.00H	R= 17.9RE	18 - 1976/303/	20.00H	R= 19.2RE
5 - 1976/300/	17.00H	R= 18.2RE	12 - 1976/302/	4.00H	R= 18.1RE	19 - 1976/304/	0.00H	R= 19.2RE
6 - 1976/301/	1.00H	R= 17.9RE	13 - 1976/302/	8.00H	R= 18.1RE	20 - 1976/304/	4.00H	R= 19.2RE
7 - 1976/301/	5.00H	R= 17.8RE	14 - 1976/302/	17.00H	R= 18.5RE			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/299 /16.00H TO1976/304 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/304/	8.00 H	LAT= -51.9	11 - 1976/307/	9.00 H	LAT=	91.5
2 - 1976/304/	14.00 H	LAT= -52.9	12 - 1976/307/	11.00 H	LAT=	25.9
3 - 1976/305/	10.00 H	LAT= -15.7	13 - 1976/307/	19.00 H	LAT=	6.3
4 - 1976/305/	19.00 H	LAT=	14 - 1976/308/	5.00 H	LAT=	-18.0
5 - 1976/306/	4.00 H	LAT=	15 - 1976/308/	15.00 H	LAT=	-39.5
6 - 1976/306/	9.00 H	LAT= 93.8				
7 - 1976/306/	14.00 H	LAT= 51.5				
8 - 1976/30	7.00 H	LAT= 53.3				
9 - 1976/3	20.00 H	LAT= 52.8				
10 - 1976/30	0.00 H	LAT= 48.5				

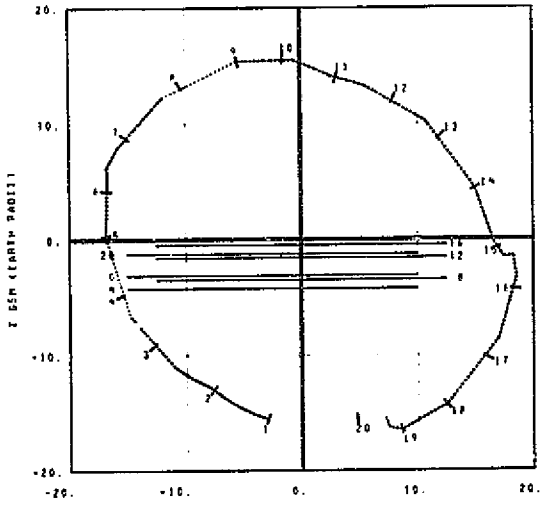
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/304/ 8.00H TO 1976/308/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/304/	8.00 H	R= 19.1 R_E	11 - 1976/306/	20.00 H	R= 18.6 R_E
2 - 1976/304/	15.00 H	R= 18.9 R_E	12 - 1976/307/	1.00 H	R= 18.1 R_E
3 - 1976/305/	1.00 H	R= 18.5 R_E	13 - 1976/307/	4.00 H	R= 18.3 R_E
4 - 1976/305/	4.00 H	R= 18.4 R_E	14 - 1976/307/	7.00 H	R= 18.4 R_E
5 - 1976/305/	7.00 H	R= 18.3 R_E	15 - 1976/307/	12.00 H	R= 18.6 R_E
6 - 1976/305/	10.00 H	R= 18.2 R_E	16 - 1976/308/	0.00 H	R= 19.0 R_E
7 - 1976/306/	0.00 H	R= 17.8 R_E	17 - 1976/308/	4.00 H	R= 19.1 R_E
8 - 1976/306/	4.00 H	R= 17.7 R_E	18 - 1976/308/	7.00 H	R= 19.1 R_E
9 - 1976/306/	7.00 H	R= 17.7 R_E	19 - 1976/308/	11.50 H	R= 19.2 R_E
10 - 1976/306/	10.00 H	R= 17.7 R_E	20 - 1976/308/	23.00 H	R= 19.1 R_E

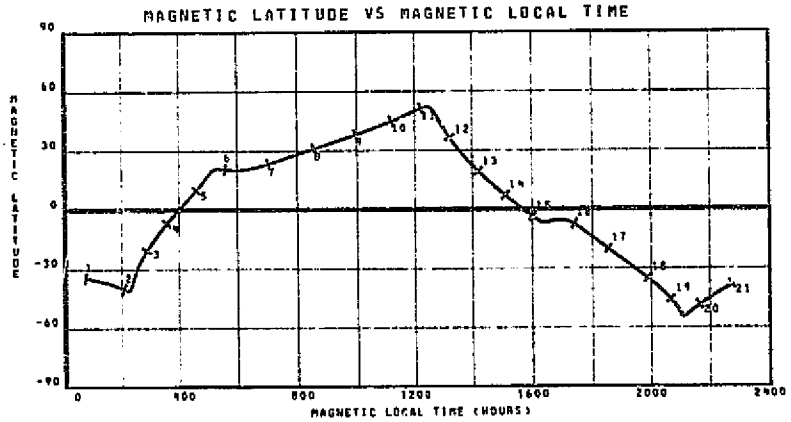
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/304/ 8.00H TO 1976/308/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



MAGNETIC LOCAL TIME (HOURS)

INTERPRETATION OF TIME CODE-NUMBERS

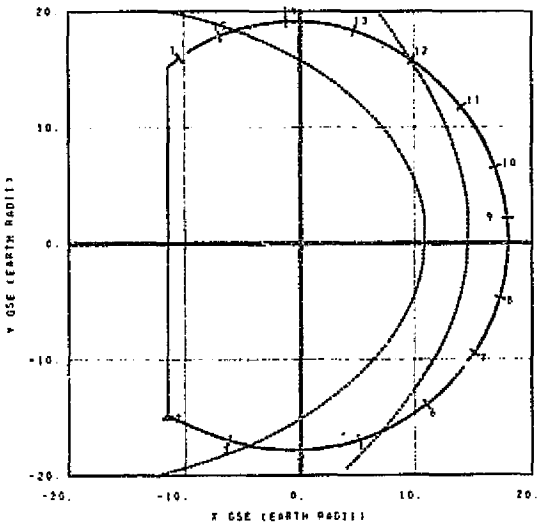
1 - 1976/304/	8.00 H	R= 19.1 R_E	8 - 1976/306/	3.00 H	R= 17.7 R_E	15 - 1976/307/	9.00 H	R= 18.5 R_E
2 - 1976/304/	15.00 H	R= 18.9 R_E	9 - 1976/306/	6.00 H	R= 17.7 R_E	16 - 1976/307/	21.00 H	R= 18.5 R_E
3 - 1976/305/	0.00 H	R= 18.6 R_E	10 - 1976/306/	9.00 H	R= 17.7 R_E	17 - 1976/308/	2.00 H	R= 19.1 R_E
4 - 1976/305/	3.00 H	R= 18.4 R_E	11 - 1976/306/	15.00 H	R= 17.8 R_E	18 - 1976/308/	6.00 H	R= 19.2 R_E
5 - 1976/305/	7.00 H	R= 18.3 R_E	12 - 1976/306/	22.00 H	R= 18.0 R_E	19 - 1976/308/	9.00 H	R= 19.2 R_E
6 - 1976/305/	16.00 H	R= 17.9 R_E	13 - 1976/307/	2.00 H	R= 18.2 R_E	20 - 1976/308/	19.00 H	R= 19.2 R_E
7 - 1976/305/	23.00 H	R= 17.8 R_E	14 - 1976/307/	5.00 H	R= 18.3 R_E	21 - 1976/308/	23.00 H	R= 19.1 R_E

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/304 / 8.00H TO1976/308 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/309/	0.00H	LAT= -52.1	11 - 1976/311/	21.00H	LAT=	38.7
2 - 1976/309/	5.00H	LAT= -52.7	12 - 1976/312/	0.00H	LAT=	22.5
3 - 1976/310/	3.00H	LAT= -12.1	13 - 1976/312/	13.00H	LAT=	0.4
4 - 1976/310/	13.00H	LAT= 15.2	14 - 1976/312/	23.00H	LAT=	-23.4
5 - 1976/310/	20.00H	LAT= 33.5	15 - 1976/313/	9.00H	LAT=	-43.6
6 - 1976/311/	2.00H	LAT= 46.9				
7 - 1976/311/	6.00H	LAT= 51.8				
8 - 1976/311/	9.00H	LAT= 53.4				
9 - 1976/311/	13.00H	LAT= 51.7				
10 - 1976/311/	16.00H	LAT= 47.9				

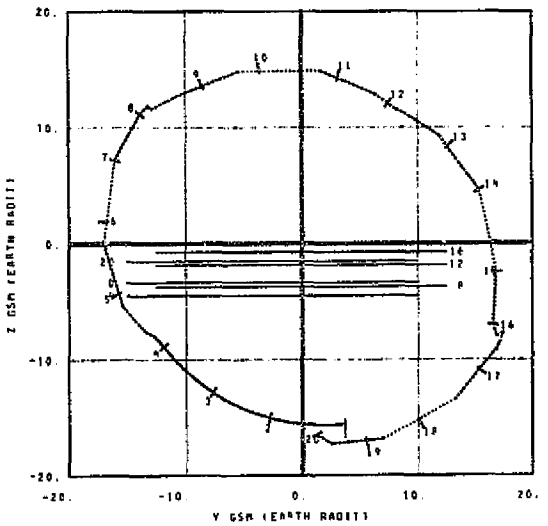
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/309/ 0.00H TO 1976/313/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/309/	.00H	R= 19.1 R_E	11 - 1976/311/	8.00H	R=	17.9 R_E
2 - 1976/309/	5.00H	R= 19.0 R_E	12 - 1976/311/	13.00H	R=	18.0 R_E
3 - 1976/309/	7.00H	R= 18.9 R_E	13 - 1976/312/	0.00H	R=	18.9 R_E
4 - 1976/309/	12.00H	R= 18.7 R_E	14 - 1976/312/	3.00H	R=	18.6 R_E
5 - 1976/310/	0.00H	R= 18.2 R_E	15 - 1976/312/	7.00H	R=	18.7 R_E
6 - 1976/310/	4.00H	R= 18.1 R_E	16 - 1976/312/	11.00H	R=	18.9 R_E
7 - 1976/310/	7.00H	R= 18.0 R_E	17 - 1976/313/	1.00H	R=	19.2 R_E
8 - 1976/310/	11.00H	R= 17.9 R_E	18 - 1976/313/	5.00H	R=	19.2 R_E
9 - 1976/311/	1.00H	R= 17.7 R_E	19 - 1976/313/	8.00H	R=	19.2 R_E
10 - 1976/311/	4.00H	R= 17.6 R_E	20 - 1976/313/	15.00H	R=	19.1 R_E

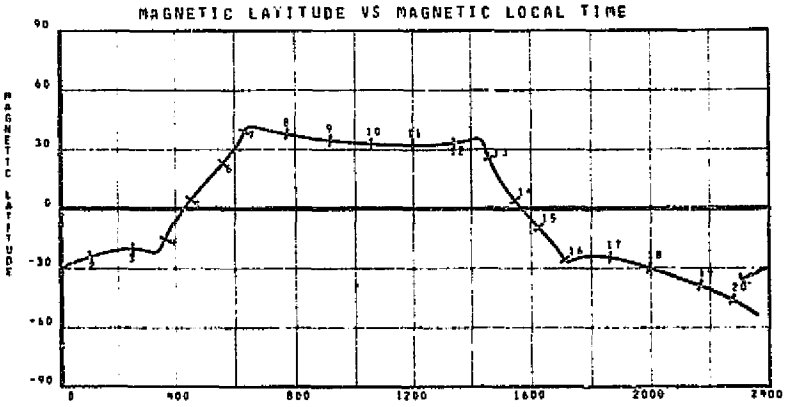
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/309/ 0.00H TO 1976/313/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

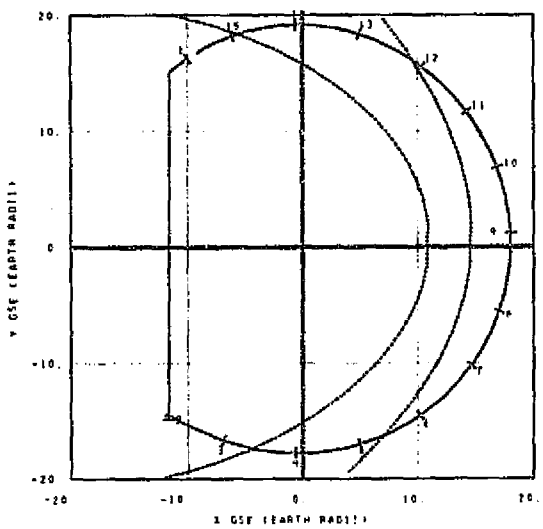
1 - 1976/309/	0.00H	R= 19.1 R_E	8 - 1976/310/	20.00H	R=	17.7 R_E	15 - 1976/312/	5.00H	R=	18.6 R_E
2 - 1976/309/	5.00H	R= 18.9 R_E	9 - 1976/311/	0.00H	R=	17.7 R_E	16 - 1976/312/	11.00H	R=	18.9 R_E
3 - 1976/309/	10.00H	R= 18.6 R_E	10 - 1976/311/	3.00H	R=	17.8 R_E	17 - 1976/312/	22.00H	R=	19.1 R_E
4 - 1976/309/	21.00H	R= 18.3 R_E	11 - 1976/311/	6.00H	R=	17.8 R_E	18 - 1976/313/	2.00H	R=	19.2 R_E
5 - 1976/310/	2.00H	R= 18.1 R_E	12 - 1976/311/	10.00H	R=	17.9 R_E	19 - 1976/313/	6.00H	R=	19.2 R_E
6 - 1976/310/	6.00H	R= 18.0 R_E	13 - 1976/311/	21.00H	R=	18.3 R_E	20 - 1976/313/	9.00H	R=	19.2 R_E
7 - 1976/310/	11.00H	R= 17.9 R_E	14 - 1976/312/	2.00H	R=	18.5 R_E				

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/309/ 0.00H TO 1976/313/16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/313/ 16.00H	LAT= -52.4	11 - 1976/316/ 19.00H	LAT=	35.8
2 - 1976/313/ 23.00H	LAT= -51.5	12 - 1976/316/ 21.00H	LAT=	19.3
3 - 1976/314/ 20.00H	LAT= -8.9	13 - 1976/317/ 7.00H	LAT=	-5.3
4 - 1976/315/ 6.00H	LAT= 18.9	14 - 1976/317/ 16.00H	LAT=	-26.8
5 - 1976/315/ 13.00H	LAT= 36.8	15 - 1976/318/ 1.00H	LAT=	-44.4
6 - 1976/315/ 18.00H	LAT= 47.1			
7 - 1976/315/ 22.00H	LAT= 52.2			
8 - 1976/316/ 1.00H	LAT= 53.5			
9 - 1976/316/ 5.00H	LAT= 51.4			
10 - 1976/316/ 9.00H	LAT= 45.8			

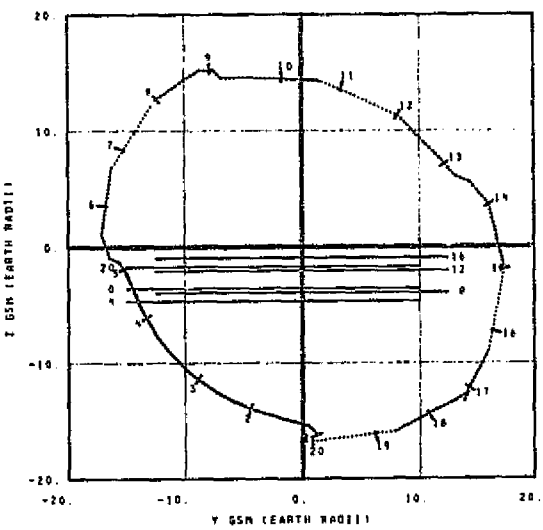
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/313/16.00H TO 1976/318/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/313/ 16.00H	R= 19.1R_E	11 - 1976/316/ 9.30H	R= 18.0R_E
2 - 1976/313/ 23.00H	R= 18.8R_E	12 - 1976/316/ 7.00H	R= 18.1R_E
3 - 1976/314/ 4.00H	R= 18.7R_E	13 - 1976/316/ 12.00H	R= 18.3R_E
4 - 1976/314/ 8.00H	R= 18.5R_E	14 - 1976/316/ 23.00H	R= 18.7R_E
5 - 1976/314/ 13.00H	R= 18.3R_E	15 - 1976/317/ 3.00H	R= 18.9R_E
6 - 1976/315/ 1.00H	R= 17.9R_E	16 - 1976/317/ 5.00H	R= 19.0R_E
7 - 1976/315/ 4.00H	R= 17.8R_E	17 - 1976/317/ 10.00H	R= 19.1R_E
8 - 1976/315/ 7.00H	R= 17.6R_E	18 - 1976/318/ 1.00H	R= 19.2R_E
9 - 1976/315/ 13.00H	R= 17.7R_E	19 - 1976/318/ 4.00H	R= 19.3R_E
10 - 1976/316/ 1.00H	R= 17.9R_E	20 - 1976/318/ 7.00H	R= 19.1R_E

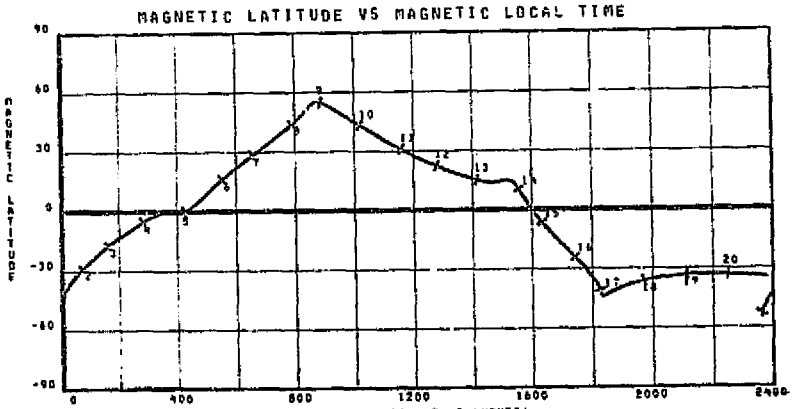
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/313/16.00H TO 1976/318/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/313/ 16.00H	R= 19.1R_E	8 - 1976/315/ 7.00H	R= 17.6R_E
2 - 1976/313/ 23.00H	R= 18.8R_E	9 - 1976/315/ 13.00H	R= 17.7R_E
3 - 1976/314/ 4.00H	R= 18.7R_E	10 - 1976/315/ 21.00H	R= 17.8R_E
4 - 1976/314/ 7.00H	R= 18.6R_E	11 - 1976/316/ 1.00H	R= 17.9R_E
5 - 1976/314/ 10.00H	R= 18.4R_E	12 - 1976/316/ 4.00H	R= 18.0R_E
6 - 1976/315/ 1.00H	R= 17.9R_E	13 - 1976/316/ 8.00H	R= 18.1R_E
7 - 1976/315/ 4.00H	R= 17.8R_E	14 - 1976/316/ 20.00H	R= 18.6R_E

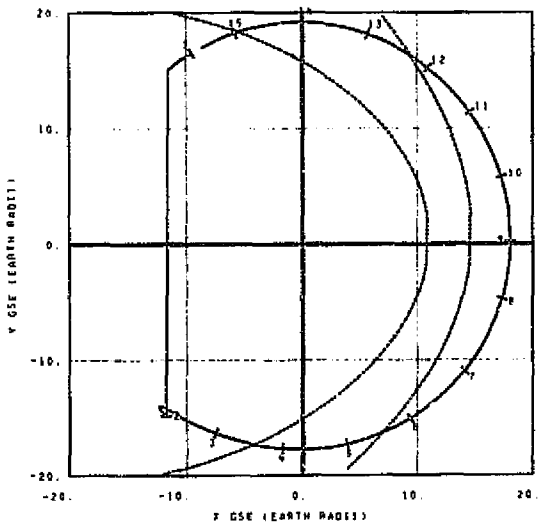
15 - 1976/317/ 1.00H	R= 18.9R_E	18 - 1976/317/ 21.00H	R= 19.1R_E
16 - 1976/317/ 6.00H	R= 18.9R_E	19 - 1976/318/ 1.00H	R= 19.2R_E
17 - 1976/317/ 10.00H	R= 19.1R_E	20 - 1976/318/ 4.00H	R= 19.2R_E

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/313/16.00H TO1976/318 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/318/	8.00H	LAT= -52.6	11 - 1976/321/	7.00H	LAT=	32.9
2 - 1976/318/	15.00H	LAT= -51.6	12 - 1976/321/	14.00H	LAT=	16.1
3 - 1976/319/	13.00H	LAT= -4.7	13 - 1976/322/	0.00H	LAT=	-8.9
4 - 1976/319/	22.00H	LAT= 19.8	14 - 1976/322/	9.00H	LAT=	-29.3
5 - 1976/320/	5.00H	LAT= 37.6	15 - 1976/322/	18.00H	LAT=	-46.9
6 - 1976/320/	10.00H	LAT= 47.6				
7 - 1976/320/	14.00H	LAT= 52.9				
8 - 1976/320/	18.00H	LAT= 53.2				
9 - 1976/320/	21.00H	LAT= 51.1				
10 - 1976/321/	1.00H	LAT= 45.2				

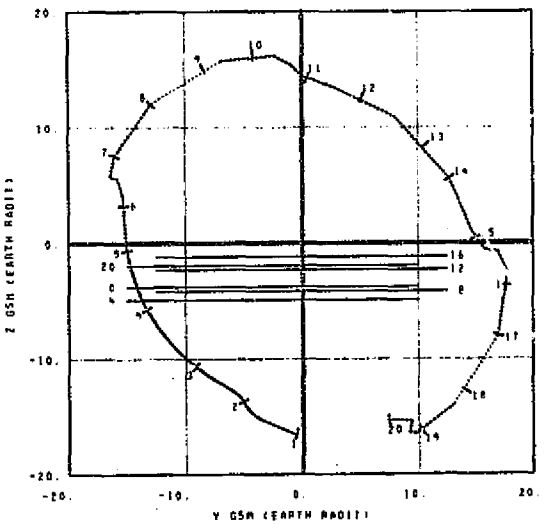
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/318/ 8.00H TO 1976/322/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/318/	8.00H	R= 19.1RE	11 - 1976/320/	20.00H	R= 18.6RE
2 - 1976/318/	16.00H	R= 18.0RE	12 - 1976/321/	1.00H	R= 18.2RE
3 - 1976/319/	0.00H	R= 18.5RE	13 - 1976/321/	5.00H	R= 18.4RE
4 - 1976/319/	4.00H	R= 18.3RE	14 - 1976/321/	7.00H	R= 18.4RE
5 - 1976/319/	7.00H	R= 18.2RE	15 - 1976/321/	12.00H	R= 18.6RE
6 - 1976/319/	10.00H	R= 18.1RE	16 - 1976/322/	0.00H	R= 19.0RE
7 - 1976/319/	23.05H	R= 17.7RE	17 - 1976/322/	3.00H	R= 19.1RE
8 - 1976/320/	3.00H	R= 17.7RE	18 - 1976/322/	6.00H	R= 19.2RE
9 - 1976/320/	6.00H	R= 17.7RE	19 - 1976/322/	10.00H	R= 19.2RE
10 - 1976/320/	9.00H	R= 17.7RE	20 - 1976/322/	23.00H	R= 19.1RE

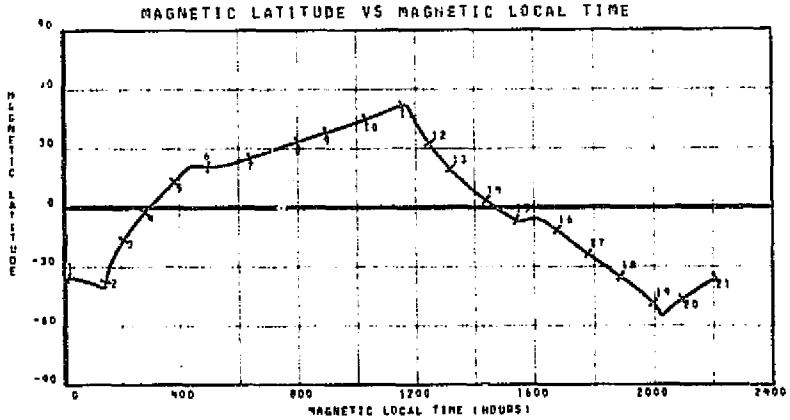
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/318/ 8.00H TO 1976/322/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

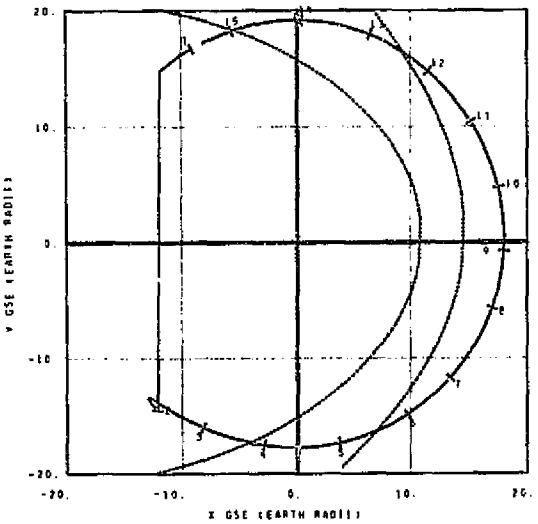
1 - 1976/318/	8.00H	R= 19.1RE	8 - 1976/320/	3.00H	R= 17.7RE	15 - 1976/321/	10.00H	R= 18.4RE
2 - 1976/318/	16.00H	R= 18.0RE	9 - 1976/320/	6.00H	R= 17.7RE	16 - 1976/321/	22.00H	R= 19.0RE
3 - 1976/319/	0.00H	R= 18.5RE	10 - 1976/320/	9.00H	R= 17.7RE	17 - 1976/322/	3.00H	R= 19.1RE
4 - 1976/319/	4.00H	R= 18.3RE	11 - 1976/320/	13.00H	R= 17.8RE	18 - 1976/322/	6.00H	R= 19.1RE
5 - 1976/319/	7.00H	R= 18.2RE	12 - 1976/320/	22.00H	R= 18.1RE	19 - 1976/322/	9.00H	R= 19.2RE
6 - 1976/319/	10.00H	R= 18.1RE	13 - 1976/321/	1.00H	R= 18.2RE	20 - 1976/322/	19.00H	R= 19.2RE
7 - 1976/319/	23.05H	R= 17.7RE	14 - 1976/321/	5.00H	R= 18.4RE	21 - 1976/322/	23.00H	R= 19.1RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/318 / 8.00H TO 1976/322 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/323/ 0.00H	LAT= -52.8	11 - 1976/325/ 23.00H	LAT= 32.0
2 - 1976/323/ 8.00H	LAT= -56.2	12 - 1976/326/ 7.00H	LAT= 12.7
3 - 1976/324/ 4.00H	LAT= -1.3	13 - 1976/326/ 17.00H	LAT= -11.9
4 - 1976/324/ 14.00H	LAT= 20.5	14 - 1976/327/ 2.00H	LAT= -32.4
5 - 1976/324/ 22.00H	LAT= 40.9	15 - 1976/327/ 11.00H	LAT= -48.5
6 - 1976/325/ 5.00H	LAT= 49.6		
7 - 1976/325/ 6.00H	LAT= 52.7		
8 - 1976/325/ 10.00H	LAT= 53.1		
9 - 1976/325/ 13.00H	LAT= 50.7		
10 - 1976/325/ 17.00H	LAT= 44.6		

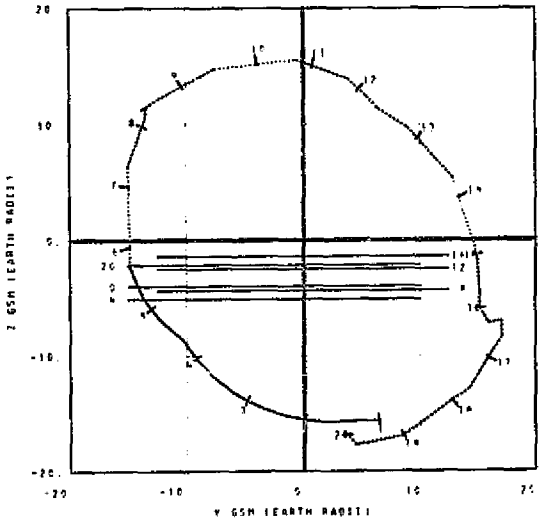
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/323/ 0.00H TO 1976/327/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/323/ 0.00H	R= 19.1RE	11 - 1976/325/ 8.00H	R= 17.1RE
2 - 1976/323/ 4.00H	R= 18.9RE	12 - 1976/325/ 13.00H	R= 16.0RE
3 - 1976/323/ 7.00H	R= 18.9RE	13 - 1976/326/ 0.00H	R= 16.5RE
4 - 1976/323/ 12.00H	R= 18.7RE	14 - 1976/326/ 4.00H	R= 15.4RE
5 - 1976/323/ 23.00H	R= 18.2RE	15 - 1976/326/ 7.00H	R= 15.8RE
6 - 1976/324/ 3.00H	R= 18.1RE	16 - 1976/326/ 11.00H	R= 16.9RE
7 - 1976/324/ 6.00H	R= 18.0RE	17 - 1976/327/ 1.00H	R= 19.2RE
8 - 1976/324/ 10.00H	R= 17.8RE	18 - 1976/327/ 4.00H	R= 19.2RE
9 - 1976/325/ 1.00H	R= 17.7RE	19 - 1976/327/ 7.00H	R= 19.2RE
10 - 1976/325/ 5.00H	R= 17.8RE	20 - 1976/327/ 15.00H	R= 19.1RE

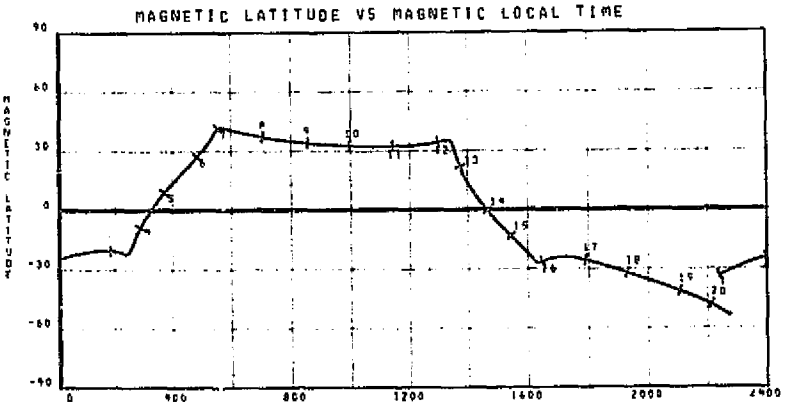
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/323/ 0.00H TO 1976/327/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

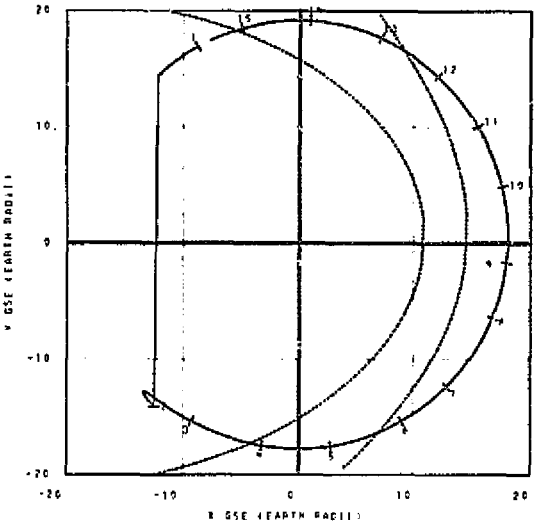
1 - 1976/323/ 0.00H	R= 19.3RE	8 - 1976/324/ 20.00H	R= 17.7RE	15 - 1976/326/ 1.00H	R= 18.7RE
2 - 1976/323/ 4.00H	R= 19.5RE	9 - 1976/325/ 0.00H	R= 17.7RE	16 - 1976/326/ 14.00H	R= 16.0RE
3 - 1976/323/ 10.00H	R= 18.7RE	10 - 1976/325/ 3.00H	R= 17.8RE	17 - 1976/326/ 22.00H	R= 19.2RE
4 - 1976/323/ 22.00H	R= 18.3RE	11 - 1976/325/ 4.00H	R= 17.8RE	18 - 1976/327/ 2.00H	R= 19.2RE
5 - 1976/324/ 1.00H	R= 18.1RE	12 - 1976/325/ 11.00H	R= 18.0RE	19 - 1976/327/ 6.00H	R= 19.2RE
6 - 1976/324/ 6.00H	R= 18.0RE	13 - 1976/325/ 21.00H	R= 18.3RE	20 - 1976/327/ 9.00H	R= 19.2RE
7 - 1976/324/ 12.00H	R= 17.8RE	14 - 1976/326/ 2.00H	R= 18.6RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/323 / 0.00H TO1976/327 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/327/ 16.00H	LAT= -53.0	11 - 1976/330/ 16.00H	LAT= 29.0		
2 - 1976/328/ 1.00H	LAT= -48.5	12 - 1976/331/ 0.00H	LAT= 7.5		
3 - 1976/328/ 22.00H	LAT= -0.1	13 - 1976/331/ 10.00H	LAT= -15.0		
4 - 1976/329/ 7.00H	LAT= 24.9	14 - 1976/331/ 19.00H	LAT= -35.1		
5 - 1976/329/ 14.00H	LAT= 41.4	15 - 1976/332/ 3.00H	LAT= -48.9		
6 - 1976/329/ 19.00H	LAT= 50.2				
7 - 1976/329/ 22.00H	LAT= 53.0				
8 - 1976/330/ 2.00H	LAT= 53.0				
9 - 1976/330/ 5.00H	LAT= 50.3				
10 - 1976/330/ 10.00H	LAT= 42.2				

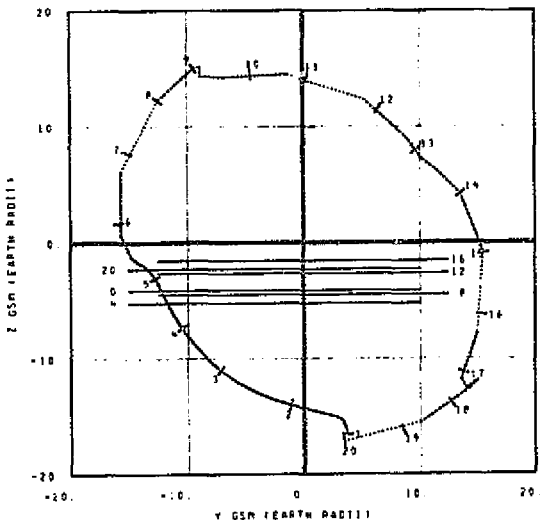
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/327/16.00H TO 1976/332/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/327/ 16.00H	R= 19.0RE	11 - 1976/330/ 4.00H	R= 18.0RE
2 - 1976/328/ 1.00H	R= 18.8RE	12 - 1976/330/ 8.00H	R= 18.2RE
3 - 1976/328/ 5.00H	R= 18.6RE	13 - 1976/330/ 13.00H	R= 18.4RE
4 - 1976/328/ 8.00H	R= 18.5RE	14 - 1976/330/ 23.00H	R= 18.8RE
5 - 1976/328/ 13.00H	R= 18.3RE	15 - 1976/331/ 3.00H	R= 18.9RE
6 - 1976/328/ 0.00H	R= 17.9RE	16 - 1976/331/ 6.00H	R= 19.0RE
7 - 1976/329/ 4.00H	R= 17.8RE	17 - 1976/331/ 10.00H	R= 19.1RE
8 - 1976/329/ 7.00H	R= 17.6RE	18 - 1976/332/ 1.00H	R= 19.2RE
9 - 1976/329/ 11.00H	R= 17.7RE	19 - 1976/332/ 4.00H	R= 19.1RE
10 - 1976/330/ 1.00H	R= 18.0RE	20 - 1976/332/ 7.00H	R= 19.1RE

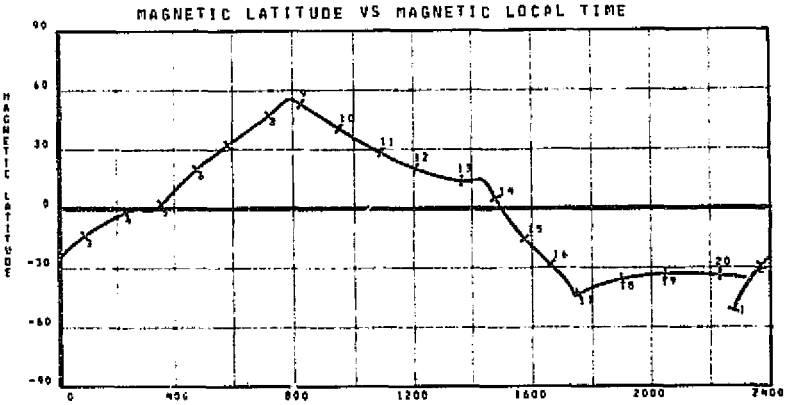
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/327/16.00H TO 1976/332/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/327/ 16.00H	R= 19.0RE	8 - 1976/329/ 8.00H	R= 17.8RE	15 - 1976/331/ 2.00H	R= 18.7RE
2 - 1976/327/ 23.00H	R= 18.8RE	9 - 1976/329/ 16.00H	R= 17.8RE	16 - 1976/331/ 5.00H	R= 18.8RE
3 - 1976/328/ 3.00H	R= 18.7RE	10 - 1976/329/ 21.00H	R= 17.6RE	17 - 1976/331/ 14.00H	R= 19.2RE
4 - 1976/328/ 8.00H	R= 18.5RE	11 - 1976/330/ 1.00H	R= 18.0RE	18 - 1976/331/ 21.00H	R= 19.2RE
5 - 1976/328/ 19.00H	R= 18.0RE	12 - 1976/330/ 4.00H	R= 18.0RE	19 - 1976/332/ 1.00H	R= 19.1RE
6 - 1976/329/ 1.00H	R= 17.9RE	13 - 1976/330/ 9.00H	R= 18.2RE	20 - 1976/332/ 5.00H	R= 19.1RE
7 - 1976/329/ 4.00H	R= 17.8RE	14 - 1976/330/ 21.00H	R= 18.7RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/327/16.00H TO1976/332/ 8.00H

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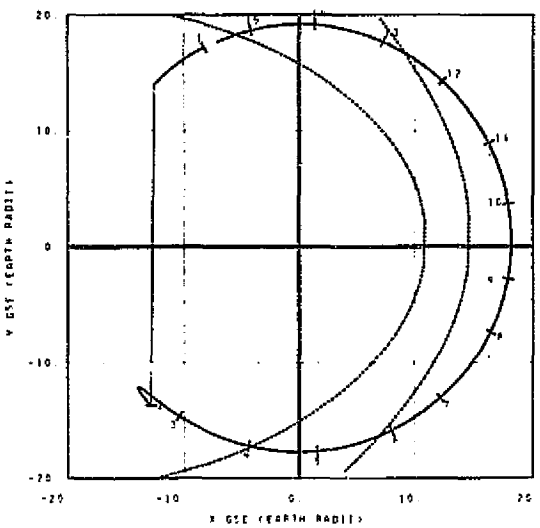
OF POOR QUALITY

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/332/ 8.00H	LAT= -53.2	11 - 1976/335/ 8.00H	LAT= 28.2		
2 - 1976/332/ 18.00H	LAT= -46.7	12 - 1976/335/ 18.00H	LAT= 3.8		
3 - 1976/333/ 4.00H	LAT= 0.5	13 - 1976/336/ 4.00H	LAT= -20.3		
4 - 1976/333/ 23.00H	LAT= 25.0	14 - 1976/336/ 12.00H	LAT= -37.7		
5 - 1976/334/ 6.00H	LAT= 41.9	15 - 1976/336/ 19.00H	LAT= -49.2		
6 - 1976/334/ 11.00H	LAT= 50.5				
7 - 1976/334/ 14.00H	LAT= 49.1				
8 - 1976/334/ 18.00H	LAT= 52.8				
9 - 1976/334/ 21.00H	LAT= 50.0				
10 - 1976/335/ 2.00H	LAT= 41.5				

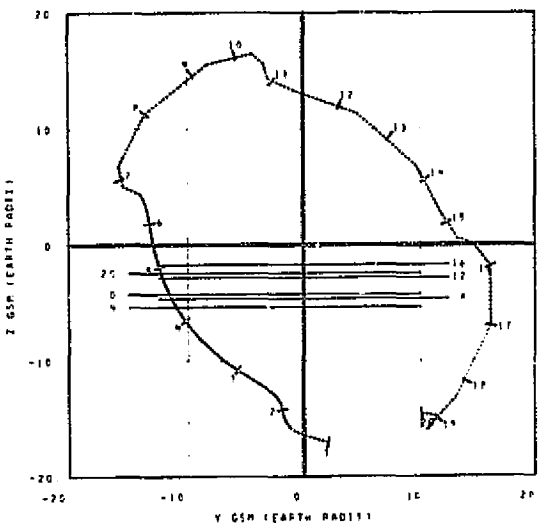
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/332/ 8.00H TO 1976/336/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/332/ 8.00H	R= 19.1RE	11 - 1976/334/ 20.00H	R= 18.0RE
2 - 1976/332/ 16.00H	R= 18.8RE	12 - 1976/335/ 2.00H	R= 18.3RE
3 - 1976/333/ 0.00H	R= 18.5RE	13 - 1976/335/ 5.00H	R= 18.4RE
4 - 1976/333/ 4.00H	R= 18.3RE	14 - 1976/335/ 8.00H	R= 18.5RE
5 - 1976/333/ 7.00H	R= 18.2RE	15 - 1976/335/ 12.00H	R= 18.7RE
6 - 1976/333/ 10.00H	R= 18.1RE	16 - 1976/335/ 23.00H	R= 19.0RE
7 - 1976/333/ 21.00H	R= 17.8RE	17 - 1976/336/ 3.00H	R= 19.1RE
8 - 1976/334/ 3.00H	R= 17.7RE	18 - 1976/336/ 6.00H	R= 19.2RE
9 - 1976/334/ 6.00H	R= 17.7RE	19 - 1976/336/ 9.00H	R= 19.2RE
10 - 1976/334/ 9.00H	R= 17.7RE	20 - 1976/336/ 23.00H	R= 19.1RE

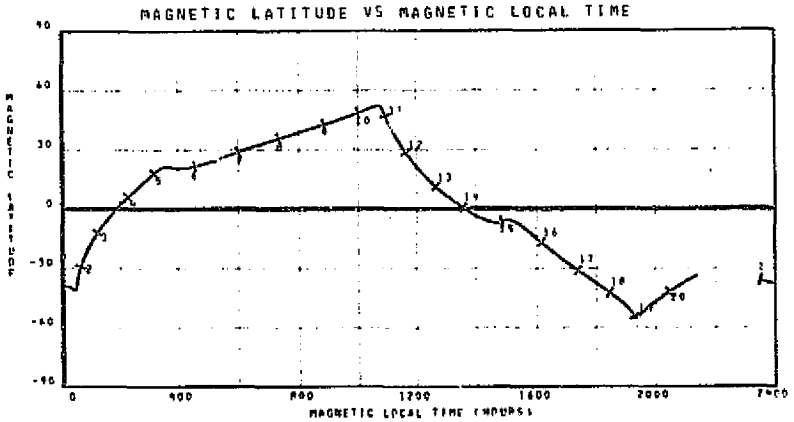
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/332/ 8.00H TO 1976/336/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/332/ 8.00H	R= 19.1RE	8 - 1976/334/ 3.00H	R= 17.7RE
2 - 1976/332/ 20.00H	R= 18.7RE	9 - 1976/334/ 6.00H	R= 17.7RE
3 - 1976/333/ 0.00H	R= 18.5RE	10 - 1976/334/ 9.00H	R= 17.7RE
4 - 1976/333/ 4.00H	R= 18.3RE	11 - 1976/334/ 17.00H	R= 17.9RE
5 - 1976/333/ 8.00H	R= 18.2RE	12 - 1976/334/ 22.00H	R= 18.1RE
6 - 1976/333/ 17.00H	R= 17.8RE	13 - 1976/335/ 2.00H	R= 18.3RE
7 - 1976/334/ 0.00H	R= 17.7RE	14 - 1976/335/ 5.00H	R= 18.4RE

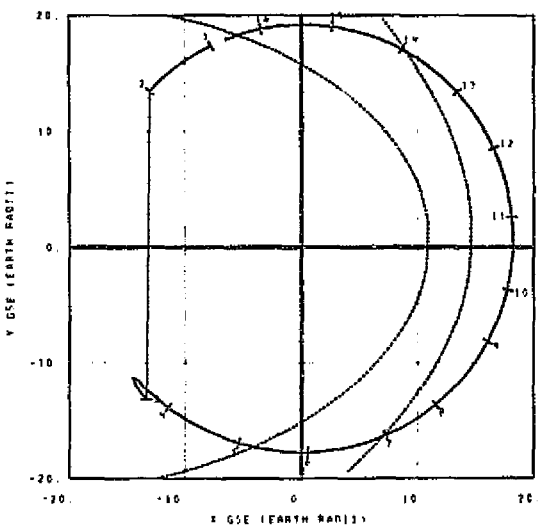
15 - 1976/335/ 13.00H	R= 18.8RE		
16 - 1976/335/ 22.00H	R= 19.0RE		
17 - 1976/336/ 3.00H	R= 19.1RE		
18 - 1976/336/ 6.00H	R= 19.2RE		
19 - 1976/336/ 11.00H	R= 19.2RE		
20 - 1976/336/ 20.00H	R= 19.1RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/332 / 8.00H TO1976/336 /24.00H

VELA 5B

ROTATED INTO THE GSE X-V PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/337/	0.00H	LAT= -51.3	11 - 1976/339/	18.00H	LAT=	40.8
2 - 1976/337/	10.00H	LAT= -46.1	12 - 1976/340/	1.00H	LAT=	25.0
3 - 1976/337/	11.00H	LAT= -44.5	13 - 1976/340/	10.00H	LAT=	2.9
4 - 1976/338/	6.00H	LAT= 1.5	14 - 1976/340/	20.00H	LAT=	-21.2
5 - 1976/338/	15.00H	LAT= 26.0	15 - 1976/341/	4.00H	LAT=	-38.9
6 - 1976/338/	22.00H	LAT= 42.7	16 - 1976/341/	11.00H	LAT=	-49.7
7 - 1976/339/	3.00H	LAT= 50.9				
8 - 1976/339/	6.00H	LAT= 53.1				
9 - 1976/339/	10.00H	LAT= 52.6				
10 - 1976/339/	13.00H	LAT= 49.9				

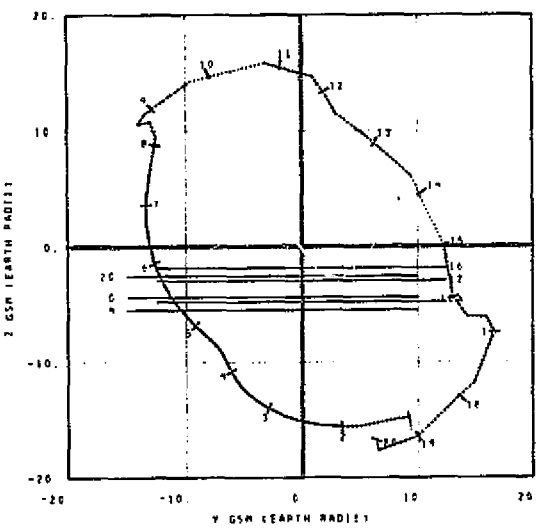
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/337/ 0.00H TO 1976/341/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/337/	0.00H	R= 19.0RE	11 - 1976/339/	8.00H	R=	17.9RE
2 - 1976/337/	4.00H	R= 18.9RE	12 - 1976/339/	19.00H	R=	18.1RE
3 - 1976/337/	8.00H	R= 18.8RE	13 - 1976/340/	0.00H	R=	18.5RE
4 - 1976/337/	13.00H	R= 18.6RE	14 - 1976/340/	4.00H	R=	18.7RE
5 - 1976/337/	22.00H	R= 18.2RE	15 - 1976/340/	7.00H	R=	18.8RE
6 - 1976/338/	3.00H	R= 18.0RE	16 - 1976/340/	11.00H	R=	18.9RE
7 - 1976/338/	6.00H	R= 17.9RE	17 - 1976/340/	23.00H	R=	19.2RE
8 - 1976/338/	10.00H	R= 17.8RE	18 - 1976/341/	4.00H	R=	19.2RE
9 - 1976/339/	0.00H	R= 17.7RE	19 - 1976/341/	7.00H	R=	19.2RE
10 - 1976/339/	4.00H	R= 17.8RE	20 - 1976/341/	15.00H	R=	19.1RE

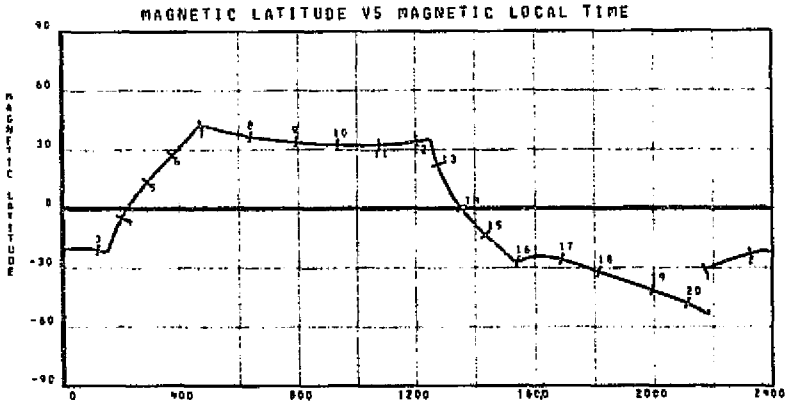
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/337/ 0.00H TO 1976/341/16.00H

VELA_5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

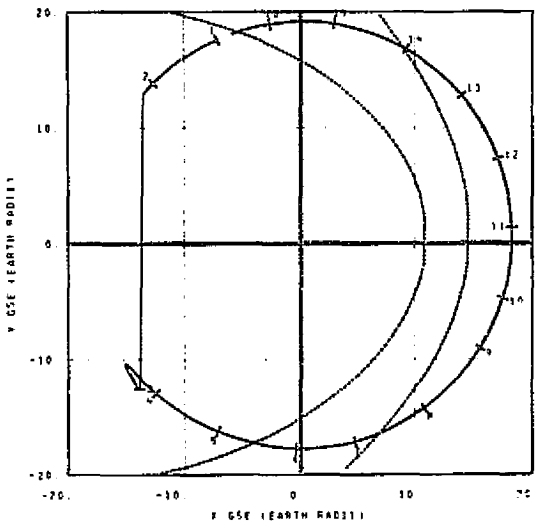
1 - 1976/337/	0.00H	R= 19.0RE	8 - 1976/338/	20.00H	R=	17.7RE	15 - 1976/340/	4.00H	R=	18.7RE
2 - 1976/337/	4.00H	R= 18.9RE	9 - 1976/339/	0.00H	R=	17.7RE	16 - 1976/340/	11.00H	R=	18.9RE
3 - 1976/337/	11.00H	R= 18.7RE	10 - 1976/339/	3.00H	R=	17.8RE	17 - 1976/340/	21.00H	R=	19.2RE
4 - 1976/337/	22.00H	R= 18.2RE	11 - 1976/339/	6.00H	R=	17.9RE	18 - 1976/341/	1.00H	R=	19.2RE
5 - 1976/338/	2.00H	R= 18.1RE	12 - 1976/339/	10.00H	R=	18.0RE	19 - 1976/341/	5.00H	R=	19.2RE
6 - 1976/338/	5.00H	R= 18.0RE	13 - 1976/339/	20.00H	R=	18.4RE	20 - 1976/341/	8.00H	R=	19.2RE
7 - 1976/338/	12.00H	R= 17.8RE	14 - 1976/340/	1.00H	R=	18.6RE				

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/337 / 0.00H TO1976/341 /16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/341/ 16.00H	LAT= -53.9	11 - 1976/349/ 10.00H	LAT=	40.8
2 - 1976/342/ 1.00H	LAT= -47.3	12 - 1976/349/ 17.00H	LAT=	29.3
3 - 1976/342/ 4.00H	LAT= -42.1	13 - 1976/345/ 3.00H	LAT=	-0.3
4 - 1976/342/ 22.00H	LAT= 2.9	14 - 1976/345/ 13.00H	LAT=	-29.2
5 - 1976/343/ 6.00H	LAT= 29.3	15 - 1976/345/ 21.00H	LAT=	-40.9
6 - 1976/343/ 14.00H	LAT= 43.9	16 - 1976/346/ 3.00H	LAT=	-50.1
7 - 1976/343/ 18.00H	LAT= 50.2			
8 - 1976/343/ 22.00H	LAT= 53.5			
9 - 1976/344/ 2.00H	LAT= 52.5			
10 - 1976/344/ 5.00H	LAT= 49.1			

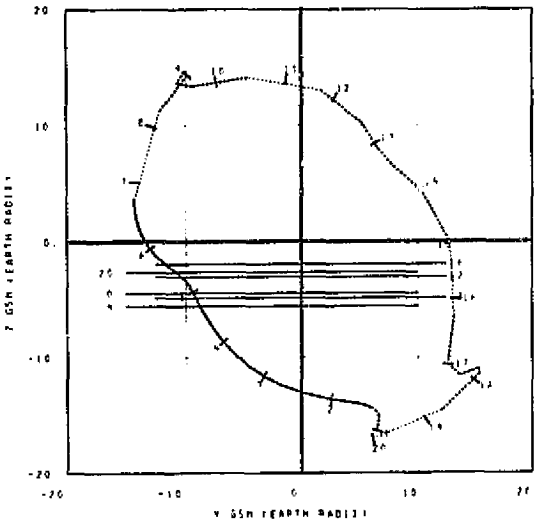
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/341/16.00H TO 1976/346/ 3.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/341/ 16.00H	R= 19.8R_E	11 - 1976/349/ 5.00H	R= 18.1R_E
2 - 1976/342/ 1.00H	R= 18.7R_E	12 - 1976/349/ 8.00H	R= 18.2R_E
3 - 1976/342/ 5.00H	R= 18.6R_E	13 - 1976/349/ 14.00H	R= 18.5R_E
4 - 1976/342/ 8.00H	R= 18.9R_E	14 - 1976/349/ 23.00H	R= 18.8R_E
5 - 1976/342/ 13.00H	R= 18.2R_E	15 - 1976/345/ 3.00H	R= 19.0R_E
6 - 1976/342/ 22.00H	R= 17.9R_E	16 - 1976/345/ 6.00H	R= 19.0R_E
7 - 1976/343/ 3.00H	R= 17.6R_E	17 - 1976/345/ 11.00H	R= 19.2R_E
8 - 1976/343/ 6.00H	R= 17.7R_E	18 - 1976/346/ 0.00H	R= 19.2R_E
9 - 1976/343/ 11.00H	R= 17.7R_E	19 - 1976/346/ 4.00H	R= 19.1R_E
10 - 1976/344/ 1.00H	R= 18.0R_E	20 - 1976/346/ 7.00H	R= 19.1R_E

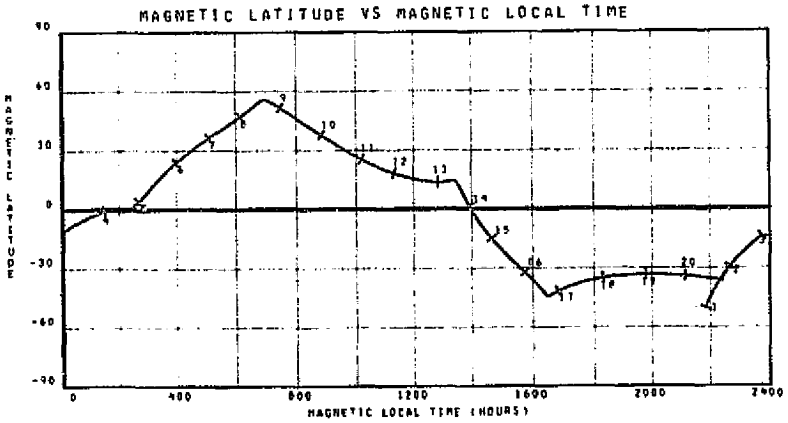
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/341/16.00H TO 1976/346/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/341/ 16.00H	R= 19.0R_E	9 - 1976/343/ 7.00H	R= 17.7R_E
2 - 1976/341/ 22.00H	R= 18.8R_E	10 - 1976/343/ 16.00H	R= 17.8R_E
3 - 1976/342/ 2.00H	R= 18.7R_E	11 - 1976/343/ 21.00H	R= 17.9R_E
4 - 1976/342/ 8.00H	R= 18.9R_E	12 - 1976/344/ 2.00H	R= 18.0R_E
5 - 1976/342/ 19.00H	R= 18.0R_E	13 - 1976/344/ 9.00H	R= 18.1R_E
6 - 1976/343/ 1.00H	R= 17.8R_E	14 - 1976/344/ 9.00H	R= 18.3R_E
7 - 1976/343/ 4.00H	R= 17.8R_E	15 - 1976/344/ 21.00H	R= 18.7R_E

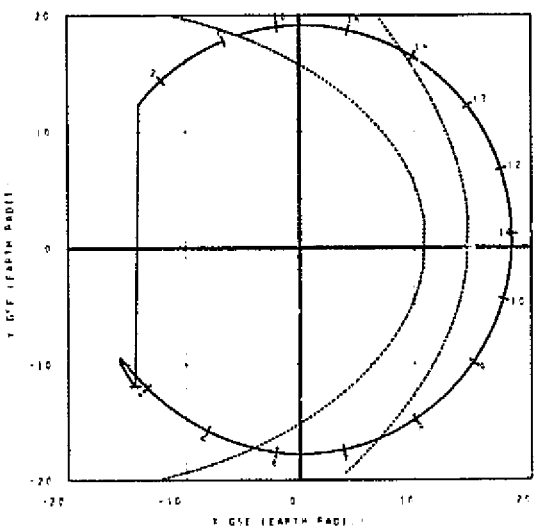
15 - 1976/345/ 1.00H	R= 18.9R_E		
16 - 1976/345/ 5.00H	R= 19.0R_E		
17 - 1976/345/ 19.00H	R= 19.2R_E		
18 - 1976/345/ 21.00H	R= 19.2R_E		
19 - 1976/346/ 1.00H	R= 19.2R_E		
20 - 1976/346/ 4.00H	R= 19.1R_E		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/341/16.00H TO1976/346 / 3.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/346/	8.00H	LAT= -53.6	11 - 1976/349/	3.00H	LAT=	37.9
2 - 1976/346/	16.00H	LAT= -48.9	12 - 1976/349/	10.00H	LAT=	21.1
3 - 1976/346/	21.00H	LAT= -39.7	13 - 1976/349/	20.00H	LAT=	-3.5
4 - 1976/347/	14.00H	LAT= 3.2	14 - 1976/350/	6.00H	LAT=	-27.0
5 - 1976/347/	22.00H	LAT= 25.0	15 - 1976/350/	13.00H	LAT=	-41.9
6 - 1976/348/	5.00H	LAT= 42.0	16 - 1976/350/	19.00H	LAT=	-50.9
7 - 1976/348/	10.00H	LAT= 50.6				
8 - 1976/348/	14.00H	LAT= 53.5				
9 - 1976/348/	18.00H	LAT= 52.2				
10 - 1976/348/	22.00H	LAT= 47.1				

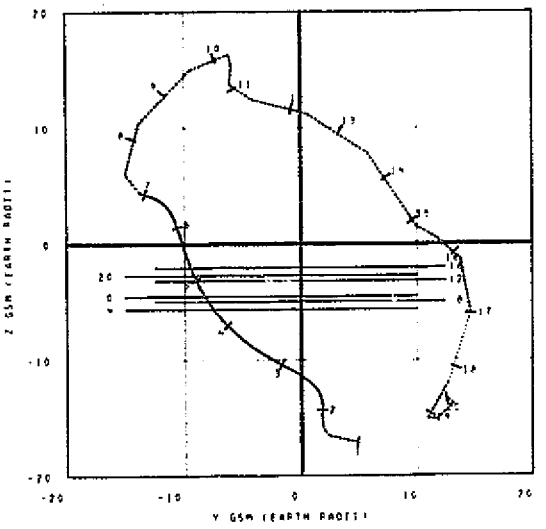
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/346/ 8.00H TO 1976/350/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/346/	8.00H	R= 19.0 R_E	11 - 1976/349/	20.00H	R= 18.1 R_E
2 - 1976/346/	16.00H	R= 18.6 R_E	12 - 1976/349/	2.00H	R= 18.3 R_E
3 - 1976/346/	21.00H	R= 18.4 R_E	13 - 1976/349/	9.00H	R= 18.4 R_E
4 - 1976/347/	4.00H	R= 18.3 R_E	14 - 1976/349/	9.00H	R= 18.6 R_E
5 - 1976/347/	7.00H	R= 18.1 R_E	15 - 1976/349/	14.00H	R= 18.8 R_E
6 - 1976/347/	11.00H	R= 18.0 R_E	16 - 1976/349/	22.00H	R= 19.1 R_E
7 - 1976/347/	18.00H	R= 17.9 R_E	17 - 1976/350/	3.00H	R= 19.2 R_E
8 - 1976/348/	2.00H	R= 17.7 R_E	18 - 1976/350/	6.00H	R= 19.2 R_E
9 - 1976/348/	5.00H	R= 17.7 R_E	19 - 1976/350/	10.00H	R= 19.2 R_E
10 - 1976/348/	9.00H	R= 17.8 R_E	20 - 1976/350/	23.00H	R= 19.0 R_E

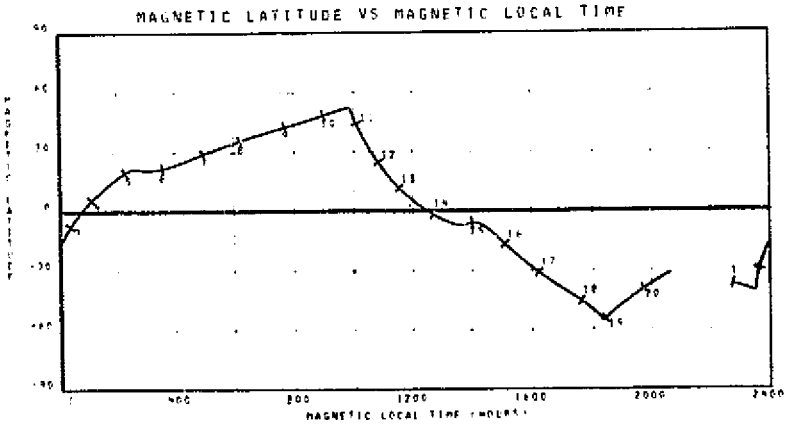
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/346/ 8.00H TO 1976/350/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

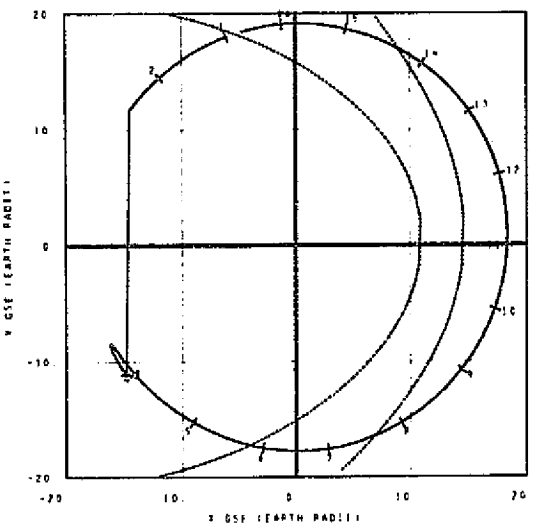
1 - 1976/346/	8.00H	R= 19.0 R_E	8 - 1976/348/	2.00H	R= 17.7 R_E	15 - 1976/349/	14.00H	R= 18.8 R_E
2 - 1976/346/	19.00H	R= 18.6 R_E	9 - 1976/348/	5.00H	R= 17.7 R_E	16 - 1976/349/	22.00H	R= 19.1 R_E
3 - 1976/346/	21.00H	R= 18.4 R_E	10 - 1976/348/	9.00H	R= 17.7 R_E	17 - 1976/350/	2.00H	R= 19.1 R_E
4 - 1976/347/	3.00H	R= 18.3 R_E	11 - 1976/348/	17.00H	R= 18.0 R_E	18 - 1976/350/	6.00H	R= 19.2 R_E
5 - 1976/347/	6.00H	R= 18.1 R_E	12 - 1976/348/	22.00H	R= 18.2 R_E	19 - 1976/350/	13.00H	R= 19.2 R_E
6 - 1976/347/	10.00H	R= 17.8 R_E	13 - 1976/349/	1.00H	R= 18.3 R_E	20 - 1976/350/	23.00H	R= 19.1 R_E
7 - 1976/347/	23.00H	R= 17.7 R_E	14 - 1976/349/	5.00H	R= 18.4 R_E			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/346 / 8.00H TO1976/350 /24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/351/	0.00H	LAT= -53.6	11 - 1976/353/	19.00H	LAT=	36.°
2 - 1976/351/	8.00H	LAT= -97.9	12 - 1976/354/	3.00H	LAT=	17.6
3 - 1976/351/	14.00H	LAT= -36.9	13 - 1976/354/	13.00H	LAT=	-6.8
4 - 1976/352/	6.00H	LAT= 4.0	14 - 1976/354/	22.00H	LAT=	-27.9
5 - 1976/352/	14.00H	LAT= 25.8	15 - 1976/355/	6.00H	LAT=	-43.8
6 - 1976/352/	21.00H	LAT= 42.6	16 - 1976/355/	13.00H	LAT=	-50.8
7 - 1976/353/	2.00H	LAT= 50.9				
8 - 1976/353/	6.00H	LAT= 53.6				
9 - 1976/353/	10.00H	LAT= 51.9				
10 - 1976/353/	14.00H	LAT= 46.8				

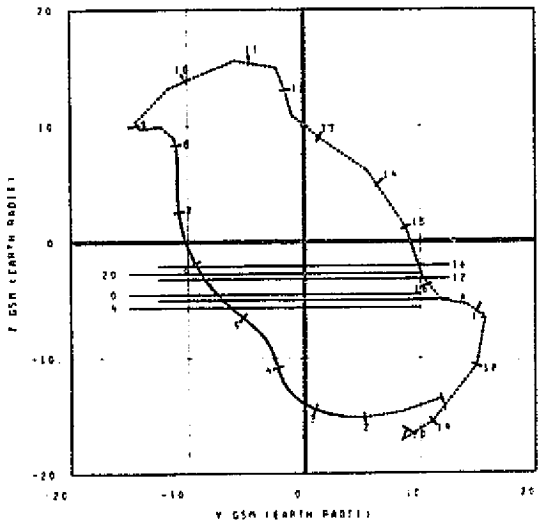
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/351/ 0.00H TO 1976/355/16.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/351/	0.00H	R= 19.0RE	11 - 1976/353/	8.00H	R= 17.9RE
2 - 1976/351/	5.00H	R= 18.9RE	12 - 1976/353/	15.00H	R= 18.2RE
3 - 1976/351/	8.00H	R= 18.7RE	13 - 1976/353/	23.00H	R= 18.5RE
4 - 1976/351/	19.00H	R= 18.5RE	14 - 1976/354/	4.00H	R= 18.7RE
5 - 1976/351/	22.00H	R= 18.2RE	15 - 1976/354/	7.00H	R= 18.8RE
6 - 1976/352/	3.00H	R= 18.0RE	16 - 1976/354/	12.00H	R= 19.0RE
7 - 1976/352/	6.00H	R= 17.9RE	17 - 1976/354/	21.00H	R= 19.2RE
8 - 1976/352/	11.00H	R= 17.8RE	18 - 1976/355/	3.00H	R= 19.2RE
9 - 1976/352/	22.00H	R= 17.7RE	19 - 1976/355/	7.00H	R= 19.2RE
10 - 1976/353/	4.00H	R= 17.8RE	20 - 1976/355/	15.00H	R= 19.0RE

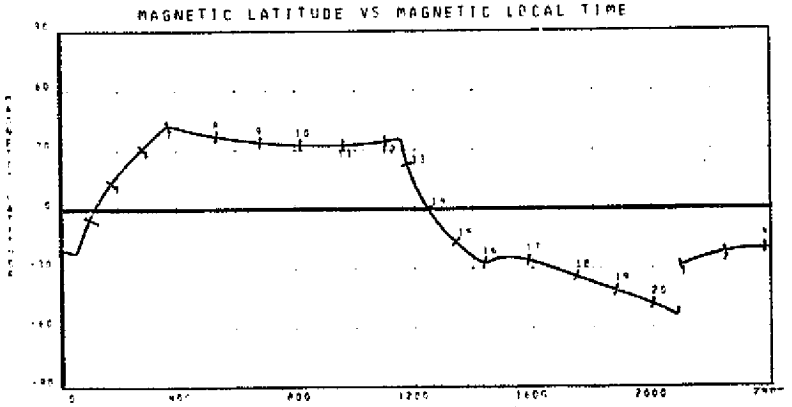
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/351/ 0.00H TO 1976/355/16.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

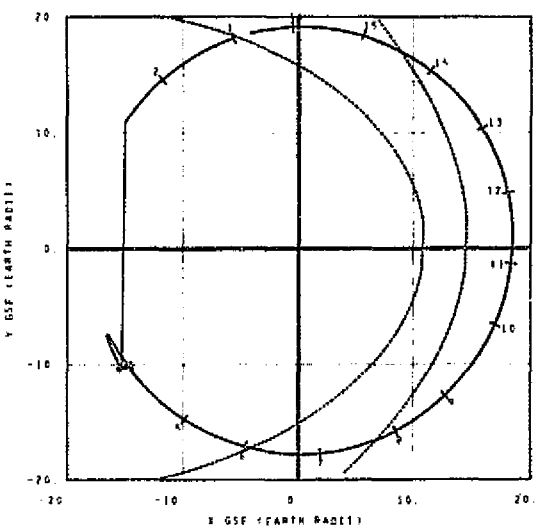
1 - 1976/..1/	0.00H	R= 19.0RE	8 - 1976/352/	19.00H	R= 17.7RE	15 - 1976/354/	4.00H	R= 18.7RE
2 - 1976/351/	4.00H	R= 18.9RE	9 - 1976/352/	23.00H	R= 17.7RE	16 - 1976/354/	10.00H	R= 18.9RE
3 - 1976/351/	8.00H	R= 18.7RE	10 - 1976/353/	2.00H	R= 17.8RE	17 - 1976/354/	20.00H	R= 19.2RE
4 - 1976/351/	21.00H	R= 18.2RE	11 - 1976/353/	5.00H	R= 17.8R	18 - 1976/355/	1.00H	R= 19.2RE
5 - 1976/352/	1.00H	R= 18.1RE	12 - 1976/353/	9.00H	R= 18.0RE	19 - 1976/355/	4.00H	R= 19.2RE
6 - 1976/352/	5.00H	R= 17.9RE	13 - 1976/353/	19.00H	R= 18.3RE	20 - 1976/355/	9.00H	R= 19.2RE
7 - 1976/352/	11.00H	R= 17.8RE	14 - 1976/354/	0.00H	R= 18.6RE			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/351/ 0.00H TO1976/355/16.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/355/ 16.00H	LAT= -53.7	11 - 1976/358/ 11.00H	LAT= 36.2
2 - 1976/356/ 0.00H	LAT= -57.4	12 - 1976/358/ 19.00H	LAT= 17.2
3 - 1976/356/ 7.00H	LAT= -33.9	13 - 1976/359/ 5.00H	LAT= -7.9
4 - 1976/356/ 22.00H	LAT= 5.1	14 - 1976/359/ 15.00H	LAT= -30.7
5 - 1976/357/ 6.00H	LAT= 26.8	15 - 1976/359/ 22.00H	LAT= -49.3
6 - 1976/357/ 12.00H	LAT= 41.3	16 - 1976/360/ 3.00H	LAT= -61.1
7 - 1976/357/ 18.00H	LAT= 51.9		
8 - 1976/357/ 22.00H	LAT= 53.7		
9 - 1976/358/ 1.00H	LAT= 52.6		
10 - 1976/358/ 6.00H	LAT= 46.1		

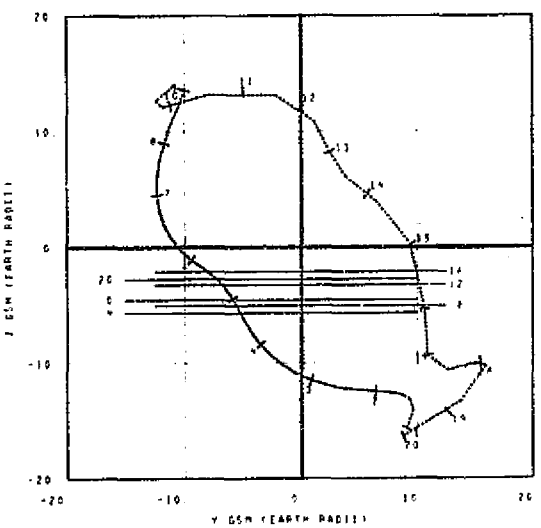
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/355/16.00H TO 1976/360/ 8.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/355/ 16.00H	R= 19.0RE	11 - 1976/358/ 5.00H	R= 18.1RE
2 - 1976/356/ 1.00H	R= 18.7RE	12 - 1976/358/ 9.00H	R= 18.3RE
3 - 1976/356/ 5.00H	R= 18.5RE	13 - 1976/358/ 15.00H	R= 18.5RE
4 - 1976/356/ 9.00H	R= 18.3RE	14 - 1976/358/ 22.00H	R= 18.6RE
5 - 1976/356/ 14.00H	R= 18.1RE	15 - 1976/359/ 2.00H	R= 19.0RE
6 - 1976/356/ 21.00H	R= 17.9RE	16 - 1976/359/ 7.00H	R= 19.1RE
7 - 1976/357/ 3.00H	R= 17.8RE	17 - 1976/359/ 11.00H	R= 19.2RE
8 - 1976/357/ 6.00H	R= 17.7RE	18 - 1976/359/ 20.00H	R= 19.2RE
9 - 1976/357/ 11.00H	R= 17.7RE	19 - 1976/360/ 4.00H	R= 19.1RE
10 - 1976/358/ 0.00H	R= 18.0RE	20 - 1976/360/ 7.00H	R= 19.0RE

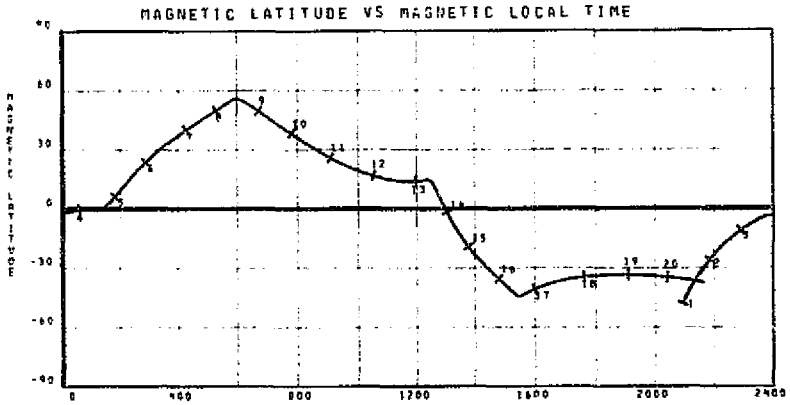
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/355/16.00H TO 1976/360/ 8.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

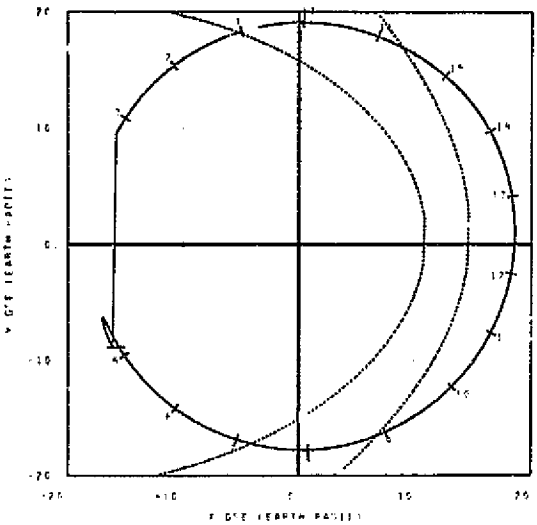
1 - 1976/355/ 16.00H	R= 19.0RE	8 - 1976/357/ 7.00H	R= 17.7RE	15 - 1976/359/ 1.00H	R= 18.9RE
2 - 1976/355/ 22.00H	R= 18.3RE	9 - 1976/357/ 16.00H	R= 17.8RE	16 - 1976/359/ 5.00H	R= 19.0RE
3 - 1976/356/ 3.00H	R= 18.4RE	10 - 1976/357/ 20.00H	R= 17.9RE	17 - 1976/359/ 19.00H	R= 19.2RE
4 - 1976/356/ 8.00H	R= 18.4RE	11 - 1976/358/ 0.00H	R= 18.0RE	18 - 1976/359/ 21.00H	R= 19.2RE
5 - 1976/356/ 19.00H	R= 18.0RE	12 - 1976/358/ 4.00H	R= 18.1RE	19 - 1976/360/ 1.00H	R= 19.2RE
6 - 1976/357/ 0.00H	R= 17.8RE	13 - 1976/358/ 9.00H	R= 18.3RE	20 - 1976/360/ 4.00H	R= 19.1RE
7 - 1976/357/ 4.00H	R= 17.8RE	14 - 1976/358/ 21.00H	R= 18.8RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/355/16.00H TO1976/360 / 8.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/360/	8.00H	LAT= -53.7	11 - 1976/362/	22.00H	LAT= 45.6
2 - 1976/360/	15.00H	LAT= -46.5	12 - 1976/363/	5.00H	LAT= 55.5
3 - 1976/360/	24.00H	LAT= -35.7	13 - 1976/363/	12.00H	LAT= 14.0
4 - 1976/361/	1.30H	LAT= -28.7	14 - 1976/363/	22.00H	LAT= -10.6
5 - 1976/361/	15.00H	LAT= 8.4	15 - 1976/364/	7.00H	LAT= -31.3
6 - 1976/361/	22.00H	LAT= 27.3	16 - 1976/364/	14.00H	LAT= -44.7
7 - 1976/362/	4.00H	LAT= 41.9	17 - 1976/364/	19.00H	LAT= -51.9
8 - 1976/362/	10.00H	LAT= 51.6			
9 - 1976/362/	14.00H	LAT= 53.7			
10 - 1976/362/	18.00H	LAT= 51.9			

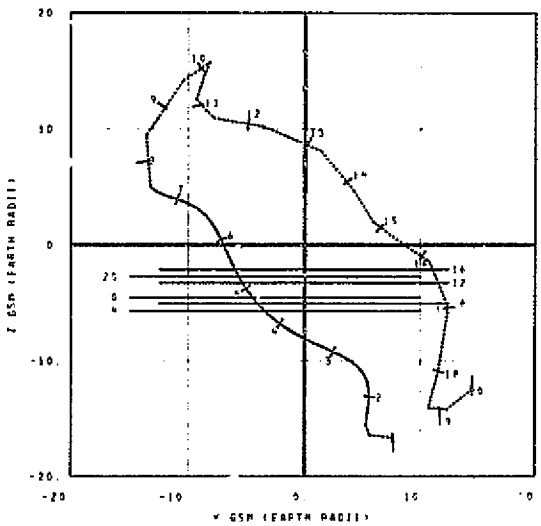
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/360/ 8.00H TO 1976/364/24.00H

VELA 5B

PROJECTED ONTO THE GSE Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/360/	8.00H	R= 19.0RE	11 - 1976/362/	20.00H	R= 18.1RE
2 - 1976/360/	17.00H	R= 18.7RE	12 - 1976/363/	2.00H	R= 18.3RE
3 - 1976/361/	0.00H	R= 18.4RE	13 - 1976/363/	6.00H	R= 18.5RE
4 - 1976/361/	9.00H	R= 18.2RE	14 - 1976/363/	10.00H	R= 18.7RE
5 - 1976/361/	7.00H	R= 18.1RE	15 - 1976/363/	16.00H	R= 18.9RE
6 - 1976/361/	11.00H	R= 18.0RE	16 - 1976/363/	22.00H	R= 19.1RE
7 - 1976/361/	18.00H	R= 17.8RE	17 - 1976/364/	3.00H	R= 19.2RE
8 - 1976/362/	1.00H	R= 17.7RE	18 - 1976/364/	7.00H	R= 19.2RE
9 - 1976/362/	5.00H	R= 17.7RE	19 - 1976/364/	14.00H	R= 19.2RE
10 - 1976/362/	9.00H	R= 17.8RE	20 - 1976/364/	23.00H	R= 19.0RE

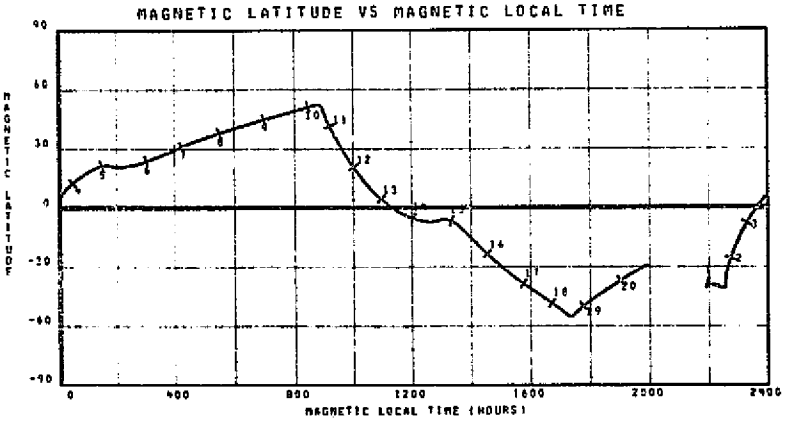
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/360/ 8.00H TO 1976/364/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



MAGNETIC LOCAL TIME (HOURS)

INTERPRETATION OF TIME CODE-NUMBERS

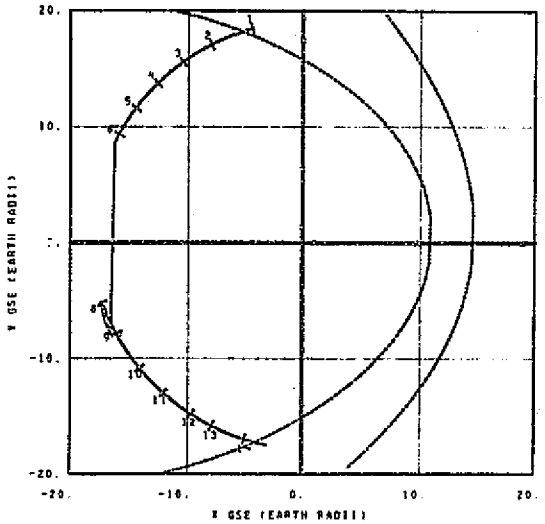
1 - 1976/360/	8.00H	R= 19.0RE	8 - 1976/362/	2.00H	R= 17.7RE	15 - 1976/363/	16.00H	R= 18.9RE
2 - 1976/360/	19.00H	R= 18.6RE	9 - 1976/362/	5.00H	R= 17.7RE	16 - 1976/363/	23.00H	R= 19.1RE
3 - 1976/360/	23.00H	R= 18.4RE	10 - 1976/362/	9.00H	R= 17.8RE	17 - 1976/364/	3.00H	R= 19.2RE
4 - 1976/361/	4.00H	R= 18.2RE	11 - 1976/362/	17.00H	R= 18.0RE	18 - 1976/364/	6.00H	R= 19.2RE
5 - 1976/361/	9.00H	R= 18.0RE	12 - 1976/362/	22.00H	R= 18.2RE	19 - 1976/364/	15.00H	R= 19.1RE
6 - 1976/361/	19.00H	R= 17.8RE	13 - 1976/363/	2.00H	R= 18.3RE	20 - 1976/364/	20.00H	R= 19.0RE
7 - 1976/361/	23.00H	R= 17.7RE	14 - 1976/363/	6.00H	R= 18.5RE			

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/360/ 8.00H TO1976/364/24.00H

VELA 5B

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/365/ 0.00H	LAT= -53.7	11 - 1976/366/ 13.00H	LAT=	25.7
2 - 1976/365/ 4.00H	LAT= -51.7	12 - 1976/366/ 16.00H	LAT=	33.3
3 - 1976/365/ 7.00H	LAT= -48.1	13 - 1976/366/ 18.00H	LAT=	38.1
4 - 1976/365/ 10.00H	LAT= -43.1	14 - 1976/366/ 21.00H	LAT=	44.5
5 - 1976/365/ 13.00H	LAT= -37.1			
6 - 1976/365/ 16.00H	LAT= -30.3			
7 - 1976/365/ 19.00H	LAT= -25.5			
8 - 1976/366/ 1.00H	LAT= -7.2			
9 - 1976/366/ 6.00H	LAT= 6.6			
10 - 1976/366/ 10.00H	LAT= 17.4			

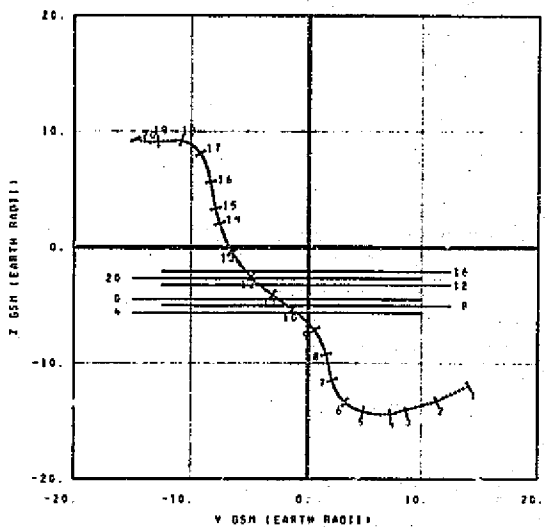
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/365/ 0.00H TO 1976/366/24.00H

VELA 5B

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/365/ 0.00H	R= 19.0RE	11 - 1976/366/ 0.00H	R= 18.0RE
2 - 1976/365/ 3.00H	R= 18.9RE	12 - 1976/366/ 2.00H	R= 18.6RE
3 - 1976/365/ 5.00H	R= 18.8RE	13 - 1976/366/ 4.00H	R= 17.9RE
4 - 1976/365/ 6.00H	R= 18.8RE	14 - 1976/366/ 6.00H	R= 17.9RE
5 - 1976/365/ 8.00H	R= 18.7RE	15 - 1976/366/ 7.00H	R= 17.8RE
6 - 1976/365/ 10.00H	R= 18.6RE	16 - 1976/366/ 9.00H	R= 17.8RE
7 - 1976/365/ 13.00H	R= 18.5RE	17 - 1976/366/ 12.00H	R= 17.7RE
8 - 1976/365/ 16.00H	R= 18.4RE	18 - 1976/366/ 15.00H	R= 17.7RE
9 - 1976/365/ 19.00H	R= 18.2RE	19 - 1976/366/ 18.00H	R= 17.7RE
10 - 1976/365/ 22.00H	R= 18.1RE	20 - 1976/366/ 23.00H	R= 17.7RE

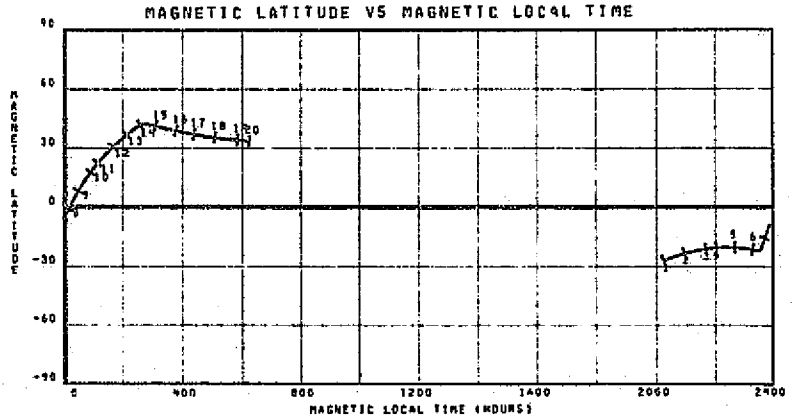
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/365/ 0.00H TO 1976/366/24.00H

VELA 5B

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/365/ 0.00H	R= 19.0RE	8 - 1976/365/ 21.00H	R= 18.2RE	15 - 1976/366/ 13.00H	R= 17.7RE
2 - 1976/365/ 2.00H	R= 18.9RE	9 - 1976/365/ 23.00H	R= 18.1RE	16 - 1976/366/ 16.00H	R= 17.7RE
3 - 1976/365/ 4.00H	R= 18.9RE	10 - 1976/366/ 1.00H	R= 18.0RE	17 - 1976/366/ 18.00H	R= 17.7RE
4 - 1976/365/ 5.00H	R= 18.8RE	11 - 1976/366/ 3.00H	R= 18.0RE	18 - 1976/366/ 20.00H	R= 17.7RE
5 - 1976/365/ 7.00H	R= 18.7RE	12 - 1976/366/ 4.00H	R= 17.9RE	19 - 1976/366/ 22.00H	R= 17.7RE
6 - 1976/365/ 10.00H	R= 18.6RE	13 - 1976/366/ 6.00H	R= 17.9RE	20 - 1976/366/ 23.00H	R= 17.7RE
7 - 1976/365/ 17.00H	R= 18.3RE	14 - 1976/366/ 7.00H	R= 17.8RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/365 / 0.00H TO1976/366 /24.00H

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OF POOR QUALITY

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